

fermi national accelerator laboratory

TM-743
2833

M1 USERS' GUIDE

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May, 1977

The following material is an attempt to provide some documentation on the M1 beam line in the Meson Laboratory. In addition, the following references will be useful to the User of the M1 beam.

1. Meson Laboratory Preliminary Design Report. J. R. Orr and A. L. Read
2. Magnet Data, TM-632. T. E. Toohig
3. Controls Group Manual
4. Transport Users' Manual. K. L. Brown, R. Rothacker, D. C. Carey, C. Iselin, March 1974, NAL-91
5. M1 Beam Survey. Phys. Letter 51B, 303, August, 1974. NAL-Pub 74/13-EXP
6. Septum Magnets for Secondary Beams at NAL. R. Carrigan, J. Jagger, G. Michelassi, K. Pretzl, J. Satti, S. Snowdon, and A. Wehmann, IEEE Transactions on Nuclear Science, Vol NS-20 #3, 3 June 1973
7. On Pion Production in High Energy Collisions. C. L. Wang, BNL 18798, Phys Letters B

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1. M1 Basic Properties

The M1 beam is a three-stage beam capable of transporting charged particles with momentum up to 400 GeV/c. The production angle is nominally 3.9 mr but may be varied (after August, 1977) from near 0 to over 5 mr by steering the incident proton beam. At the first focus, the beam is dispersed in momentum by 30 mm%. The beam is momentum recombined at and after the second focus. The beam is switched between east and west branches by a 12 mr bend at the second focus. The third stage incorporates a parallel region with two differential Cerenkov counters. This allows π -K-P separation up to about 250 GeV/c (350 GeV/c after August, 1977). An additional threshold or pseudodifferential Cerenkov counter, 100 feet long, is also located in the third stage. Variable collimators are positioned so as to control the apertures and flux of the beam. Profile monitors are located at each focus and at each end of the third stage parallel region.

The basic properties are noted in Table I.

TABLE I

Target

Width	± 0.79	mm
Height	± 0.79	mm
Length	203.0	mm
Material	Be	

<u>Production Angle</u>	θ_p	3.91	mr
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<u>Lab Angle</u>	θ_v	0.0	mr
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	θ_h	-3.0	mr
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	Medium Tune			High Tune		
<u>Momentum Range</u>	p_{min}	20	GeV/c	20	GeV/c	
	p_{max}	250	GeV/c	400	GeV/c	
<u>Angle Aperature Limit</u>	$\Delta\theta_h$	+ 0.0	mr	+ 0.0	mr	
		- 0.7		- 0.5	mr	
	$\Delta\theta_v$	± 1.4	mr	± 0.6	mr	
<u>Momentum Aperature Limit</u>	$\Delta p/p$	± 2.0	%	± 2.0	%	
<u>Solid Angle</u>		1.5	μ ster	0.5	μ ster	
<u>Dispersion at Momentum Slit</u>		30.0	mm/%	30.0	mm/%	
<u>Angular Divergence in Cerenkov Region</u>	$\Delta\theta_h$	± 0.1	mr	$\Delta\theta_h = 0.05$	mr	
	$\Delta\theta_v$	± 0.1	mr	$\Delta\theta_v = 0.05$	mr	
<u>Measured Fluxes Per 10^{-3} Incident 400 GeV Protons</u>	3×10^7 @ -175			10^6 @ -280		
				4×10^5 @ -300		
				3×10^4 @ -350		
				2×10^7 @ +300		

2. Guide to Printout

All distances are in feet, and angles in radians.

The coordinate system is the "Meson" system, Z axis along M3, X horizontal positive to the west.

The program lists the coordinates of the Beam Center Line as Z and XBCL. THETA is the angle of the beam. XN is the X coordinate of the magnet. This is the magnet center except in the case of the septum dipoles (B1, B2, B3, B4, B4A), when it refers to the outside edge on the septum side. The OFFSET is the horizontal offset from a reference line of the magnet. The offset lines are:

- M1.1 3 mr beam line from target
- M1.2 Line connecting new bend points 1 and 2
- M1.3 Line connecting new bend points 2 and 3
- M1.4 M1 West beam line

M1 400 GEV BY		LINE "MAY 1977, STAN ECKLUND, FILE BSM1.DAT(103,7)		MAX		COMMENTS	
ECRNT	XCENT	GLF LENGTH	TYPE	LABEL CONTROL	EXCIT SLOPE	LINK	EPD TARGET
23.7	7.38	-3.0*	0.02	OF			
23.7	-7.76	-3.37A	8.52	COLI	C2		
31.7	-6.29	-4.07	0.50	COLL	C3		
42.7	-2.12	-3.02	0.50	COLL	C4		
45.1	-2.14	-3.27	0.00	NIK0			ENCLOSURE WALL
54.4	-2.17	-3.05	16.00	QUAD	Q1	E101	19.54 A/KG/IN
62.5	-3.20	-3.02	15.00	QUAD	Q2	E102	19.54 A/KG/IN
73.5	-3.24	-3.02	15.00	QUAD	Q3	E103	19.54 A/KG/IN
97.0	-3.28	-4.33	17.25	BEND	B1	1G1A1, RV	3336.
106.5	-4.34	-7.31	17.25	BEND	P2	1G1A1, RV	3336.
112.9	-6.43	-7.33	17.73	QUAD	Q4	E104	19.54 A/KG/IN
124.8	-7.52	-7.33	17.30	QUAD	Q5	E104	19.54 A/KG/IN
135.5	-6.63	-7.67	14.25	BEND	R3	1G1A1, RV	3336.
146.9	-7.75	-12.34	17.25	BEND	R4	1G1A1, RV	3336.
153.4	-8.91	-15.97	17.25	BEND	R5	1G1A1, RV	3336.
163.1	-1.56	-14.34	6.00	COLI	C3H	S1C3H	
182.8	-1.34	-2.22	19.92	BEND	R6	1G2A1, BV	250.9 A/KG
224.0	-1.65	-27.98	19.92	BEND	R7	1G2A1, BV	250.9 A/KG
225.2	-2.53	-35.74	19.92	BEND	R8	1G2A1, BV	250.9 A/KG
233.5	-3.45	-37.62	5.55	QUAD	Q6	E106	19.15 A/KG/IN
244.9	-3.27	-37.62	2.53	VERN	V1	T1V1	40.
251.8	-3.52	-37.62	6.00	COLI	C4V	S1C4V	
261.4	-3.92	-37.63	13.00	QUAD	Q7	E107	19.15 A/KG/IN
269.0	-4.22	-39.62	0.00	NIK1			ENCLOSURE WALL
361.0	-7.95	-39.62	0.00	NIK2			ENCLOSURE WALL
371.9	-3.30	-37.62	3.00	NIK1		1B51	
421.7	-9.56	-39.62	7.00	QUAD	Q8	E108	729.1 A/KG/IN
413.6	-9.95	-39.62	4.33	QUAD	Q9	108	729.1 A/KG/IN
416.5	-13.16	-37.63	4.33	QUAD	Q10	108	729.1 A/KG/IN
428.9	-13.56	-37.62	2.53	VERN	V3	T1V3	50.
442.9	-11.12	-37.62	4.00	COLI	C5H	S1C5H	
445.3	-11.33	-37.62	4.75	COLI	C6V	S1C6V	
451.5	-11.46	-39.62	0.00	1F			VERT. COLLIMATOR, VACUUM
451.5	-11.46	-39.62	0.00	PM1		1FH(V)450	FOCUS
221.5	-11.46	-37.62	0.00	LC1			PROFILE MONITOR, 2 MM X 2 MM
455.2	-11.60	-39.62	0.00	NIK3			LEAD CONVERTER, VARIABLE THICKNESS
650.6	-19.33	-39.62	6.00	NIK4			ENCLOSURE WALL
657.2	-19.61	-37.62	4.75	COLI	C7V	S1C7V	
662.2	-19.61	-37.62	2.50	COLI	C7H		VERT. COLLIMATOR, VACUUM
665.2	-19.97	-37.62	2.50	VERN	V5	1V5	40. A/KG
579.9	-20.56	-44.19	19.92	BEND	R9	1G3A1, BV	258.9 A/KG
781.1	-21.59	-53.34	10.92	BEND	R10	1G3A1, BV	258.9 A/KG
782.3	-22.82	-62.49	19.92	BEND	R11	1G3A1, RV	250.9 A/KG
743.9	-24.24	-71.53	19.92	BEND	R12	1G3A1, RV	250.9 A/KG
761.4	-25.57	-76.21	16.00	QUAD	Q11	E1011	19.15 A/KG/IN
772.9	-26.44	-76.21	16.00	QUAD	Q12	E1012	19.15 A/KG/IN
781.9	-27.13	-76.20	5.75	QUAD	Q13A	E1013A	19.15 A/KG/IN
792.8	-27.81	-76.20	11.00	QUAD	Q13	E1013	19.15 A/KG/IN
802.3	-28.69	-76.21	10.00	QUAD	Q14	E1014	19.15 A/KG/IN
817.7	-29.27	-76.21	0.22	NIK5			ENCLOSURE WALL
362.0	-34.77	-76.21	0.20	NIK6			ENCLOSURE WALL
383.4	-34.88	-76.25	5.02	2F			FOCUS
362.4	-34.88	-76.25	0.00	PH2	1PH(V)880	S1CBH	PROFILE MONITOR, 2 MM X 2 MM
366.1	-35.08	-76.25	5.00	COLL	C8H		HOR. COLLIMATOR, AIR
369.0	-35.30	-76.25	5.00	1C2			LEAD CONVERTER, VARIABLE THICKNESS
395.9	-35.14	-76.24	23.00	BEND	B13	1G1A1	133.2 A/KG
395.9	-35.14	-76.24	23.00	BEND	B13	2000	5000 B2 DIPOLE WITH 1" SHIM
317.9	-37.52	-75.23	2.50	VERN	V6	TIV6	65. 100 VERT. VERNIER, GAP=4.5 IN

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M1 400 GEV BEAM LINE MAY 1977, STAN ECKLUND, FILE DSM1.DATE[105,711]

ZCENT XCENT ANGLP LENGTH TYPE LAREL CONTROL EXCIT SLOPE ILIN I^{MAX} COMMENTS

121°.4	-44.57	-76.20	10.00	QUAD Q15	E1015	19.15 A/KG/IN	70	100	30120
1225.0	-45.69	-76.20	10.00	QUAD Q16	E1016	19.15 A/KG/IN	70	100	30120
1036.5	-45.57	-76.20	10.00	QUAD Q17	E1017	19.15 A/KG/IN	70	100	30120
1051.1	-47.68	-76.20	10.00	QUAD Q18	E1018	19.15 A/KG/IN	70	100	30120
1059.4	-48.32	-76.20	0.00	PM3	IPH(V)105				PROFILE MONITOR, 2 MM X 2 MM
1085.6	-50.33	-76.20	53.00	K1	1K1				CERENKOV COUNTER
1141.8	-54.61	-76.20	53.00	K2	1K2				CERENKOV COUNTER
1171.8	-55.89	-76.20	0.00	PM4	IPH(V)117				PROFILE MONITOR, 2 MM X 2 MM
1187.4	-57.56	-76.20	10.00	QUAD Q19	E1019	19.15 A/KG/IN	70	100	30120
1195.1	-58.68	-76.20	10.00	QUAD Q20	E1020	19.15 A/KG/IN	70	100	30120
1274.3	-57.55	-76.20	10.00	QUAD Q21	E1021	19.15 A/KG/IN	70	100	30120
1221.2	-61.67	-76.20	10.00	QUAD Q22	E1022	19.15 A/KG/IN	70	100	30120
1229.6	-51.31	-76.20	2.50	VERN V7	T1V7	40. A/KG	65	100	VERT. VERNIER, GAP=4.5 IN
1237.5	-61.61	-76.20	2.50	VERN V8	T1V8	50. A/KG	65	100	HOR. VERNIER, GAP=5.0"
1285.2	-65.79	-76.20	94.00	K3	1PW2				CERENKOV COUNTER
1437.5	-77.18	-76.20	0.00	3F	0.				FOCUS
1437.5	-77.18	-76.20	0.00	PM5	IPH(V)140				PROFILE MONITOR, 2 MM X 2 MM
1491.2	-81.29	-77.04	6.00	BEND A456					BM109 (E456)
1493.2	-81.91	-73.64	6.00	BEND B456					BM109 (E456)
1544.1	-85.40	-79.44	10.00	QUAD Q23	E1023	19.15 A/KG/IN	70	100	30120
1553.1	-86.59	-79.44	10.00	QUAD Q24	E1024	19.15 A/KG/IN	70	100	30120
1647.6	-93.73	-79.46	0.00	4F	0.				

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M1 400 GEV BEAM LINE MAY 1977: STAN ECKLUND. FILE BSM1.DATE[105,711]

N	TYPE	NAME	Z	XBCI	THETA	XN	SET--REF
1	RF	0.00	0.00	0.0000	-0.00300	0.0000	0.0000 M1.1
2	COLL C2	8.50	ENT	16.50	-0.0495	-0.00300	-0.0495 0.0000 M1.1
		CENT	20.75	-0.0622	-0.00300	-0.0622 0.0000 M1.1	
		EXIT	25.00	-0.0750	-0.00300	-0.0750 0.0000 M1.1	
3	COLL C3	8.50	ENT	26.50	-0.0795	-0.00300	-0.0795 0.0000 M1.1
		CENT	30.75	-0.0922	-0.00300	-0.0922 0.0000 M1.1	
		EXIT	35.00	-0.1050	-0.00300	-0.1050 0.0000 M1.1	
4	COLL C4	8.50	ENT	36.50	-0.1095	-0.00300	-0.1095 0.0000 M1.1
		CENT	40.75	-0.1222	-0.00300	-0.1222 0.0000 M1.1	
		EXIT	45.00	-0.1350	-0.00300	-0.1350 0.0000 M1.1	
5	DIK0	0.00	45.10	-0.1353	-0.00300	-0.1353 0.0000 M1.1	
6	QUAD Q1	14.00	ENT	51.40	-0.1542	-0.00300	-0.1542 0.0000 M1.1
		CENT	56.40	-0.1692	-0.00300	-0.1692 -0.7000 M1.1	
		EXIT	61.40	-0.1842	-0.00300	-0.1842 -0.0000 M1.1	
7	QUAD Q2	14.00	ENT	62.46	-0.1874	-0.00300	-0.1874 -0.0000 M1.1
		CENT	67.46	-0.2024	-0.00300	-0.2024 -0.0000 M1.1	
		EXIT	72.46	-0.2174	-0.00300	-0.2174 -0.0000 M1.1	
8	QUAD Q3	14.00	ENT	73.53	-0.2206	-0.00300	-0.2206 -0.0000 M1.1
		CENT	78.53	-0.2356	-0.00300	-0.2356 -0.0000 M1.1	
		EXIT	83.53	-0.2506	-0.00300	-0.2506 -0.0000 M1.1	
9	REND B1	16.25	ENT	84.85	-0.2546	-0.00300	-0.0621 0.1725 M1.1
		CENT	89.98	-0.2768	-0.00300	-0.0975 0.1725 M1.1	
		EXIT	95.10	-0.2990	-0.00300	-0.1129 0.1724 M1.1	
10	REND B2	16.25	ENT	96.34	-0.3060	-0.00300	-0.1131 0.1759 M1.1
		CENT	101.47	-0.3419	-0.00300	-0.1341 0.1703 M1.1	
		EXIT	106.59	-0.3778	-0.00300	-0.1552 0.1646 M1.1	
11	QUAD Q4	14.00	ENT	107.92	-0.3888	-0.00300	-0.3888 -0.0651 M1.1
		CENT	112.92	-0.4305	-0.00300	-0.4305 -0.0917 M1.1	
		EXIT	117.92	-0.4722	-0.00300	-0.4722 -0.1104 M1.1	
12	QUAD Q5	14.00	ENT	118.99	-0.4811	-0.00300	-0.1811 -0.1241 M1.1
		CENT	123.99	-0.5228	-0.00300	-0.5228 -0.1528 M1.1	
		EXIT	128.99	-0.5645	-0.00300	-0.5645 -0.1775 M1.1	
13	REND B3	16.25	ENT	134.34	-0.5757	-0.00300	-0.3531 0.7379 M1.1
		CENT	135.46	-0.6252	-0.00300	-0.4026 0.4038 M1.1	
		EXIT	140.59	-0.6748	-0.00300	-0.4522 -0.304 M1.1	
14	REND B4	16.25	ENT	141.79	-0.6661	-0.00300	-0.1655 -0.0401 M1.1
		CENT	146.92	-0.7513	-0.00300	-0.5287 -0.0879 M1.1	
		EXIT	152.04	-0.8145	-0.00300	-0.5919 -0.1358 M1.1	

BEND POINTS

	X	TH _C	TH _S	DTF
1	0.00	0.00000	-0.00300	-0.00302
2	126.45	-7.3793	-0.02329	-0.01634
3	214.31	-1.6465	-0.01634	-0.03962
4	711.72	-21.7713	-0.03962	-0.07620
				-0.03658

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M1 400 GEV BEAM LINE MAY 1977, STAN ECKLUND, FILE BSM1.DAT[105,7*1]

N	TYP	NAM	Z	XBCL	THETA	XN	OFFSET--REF
15	PEND	B5	13.25	ENT	153.27	-0.8312	-0.21367 -7.6086 -0.1488 M1.1
		CENT	158.39		-0.9041	-0.01500	-0.6855 -0.2103 M1.1
		EXIT	163.51		-0.9850	-0.01634	-0.7624 -0.2716 M1.1
16	COLL	C3H	6.02	ENT	165.15	-1.0116	-0.01634 -1.0116 -0.0000 M1.2
		CENT	168.15		-1.0606	-0.01634	-1.0676 -0.0020 M1.2
		EXIT	171.14		-1.1096	-0.01634	-1.1096 -0.0060 M1.2
17	PEND	B6	19.97	ENT	172.79	-1.1356	-0.01634 -1.2199 -0.0833 M1.2
		CENT	182.75		-1.3379	-0.02022	-1.3747 -0.2754 M1.2
		EXIT	192.71		-1.5392	-0.02410	-1.5295 -0.3676 M1.2
18	PEND	B7	19.92	ENT	194.04	-1.5714	-0.02410 -1.5617 -0.0780 M1.2
		CENT	204.00		-1.8520	-0.02798	-1.8403 -0.1939 M1.2
		EXIT	213.95		-2.1286	-0.03186	-2.1189 -0.3098 M1.2
19	PEND	B8	19.92	ENT	215.29	-2.1713	-0.03186 -2.1616 -0.3306 M1.2
		CENT	225.25		-2.5271	-0.03574	-2.5174 -0.5238 M1.2
		EXIT	235.20		-2.8829	-0.03962	-2.8732 -0.7170 M1.2
20	QUAD	B6	5.08	ENT	237.02	-2.9550	-0.03962 -2.9550 -0.0000 M1.3
		CENT	239.51		-3.0540	-0.03962	-3.0540 -0.0000 M1.3
		EXIT	242.01		-3.1531	-0.03962	-3.1531 -0.0000 M1.3
21	VERN	V1	2.50	ENT	243.61	-3.2164	-0.03962 -3.2164 -0.0000 M1.3
		CENT	244.86		-3.2659	-0.03962	-3.2659 -0.0000 M1.3
		EXIT	246.31		-3.3154	-0.03962	-3.3154 -0.0000 M1.3
22	COLL	C4V	6.07	ENT	247.76	-3.3807	-0.03962 -3.3807 -0.0000 M1.3
		CENT	257.75		-3.4995	-0.03962	-3.4995 -0.0000 M1.3
		EXIT	253.75		-3.6183	-0.03962	-3.6183 -0.0000 M1.3
23	QUAD	B7	12.00	ENT	256.38	-3.7226	-0.03962 -3.7226 -0.0000 M1.3
		CENT	261.38		-3.9206	-0.03962	-3.9206 -0.0000 M1.3
		EXIT	266.37		-4.1186	-0.03962	-4.1186 -0.0000 M1.3
24	DIX1		7.00		269.00	-4.2226	-0.03962 -4.2226 -0.0000 M1.3
25	DIX2		7.00		363.00	-7.9487	-0.03962 -7.9487 -0.0000 M1.3
26	BS1		3.00	ENT	370.37	-8.2408	-0.03962 -8.2408 -0.0000 M1.3
		CENT	371.87		-8.3002	-0.03962	-8.3002 -0.0000 M1.3
		EXIT	373.36		-8.3596	-0.03962	-8.3596 -0.0000 M1.3
27	QUAD	B8	7.00	ENT	400.18	-9.4224	-0.03962 -9.4224 -0.0000 M1.3
		CENT	403.67		-9.5611	-0.03962	-9.5611 -0.0000 M1.3
		EXIT	407.17		-9.6997	-0.03962	-9.6997 -0.0000 M1.3
28	QUAD	B9	4.33	ENT	411.39	-9.8668	-0.03962 -9.8668 -0.0000 M1.3
		CENT	413.55		-9.9526	-0.03962	-9.9526 -0.0000 M1.3
		EXIT	415.72		-10.0384	-0.03962	-10.0384 -0.0000 M1.3

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M1 400 GEV BEAM LINE MAY 1977. STAN ECKLUND. FILE BSM1.DAT[105,711]

N	TYPE	NAME	Z	X0CL	Y0CL	XN	OFFSET--REF
9	QUAD	010 4.33 ENT	417.13	-10.0943	-0.03962	-10.0943	-0.0000 M1.3
	CENT	419.29	-10.1801	-0.03962	-10.1621	-0.0000 M1.3	
	EXIT	421.46	-10.2659	-0.03962	-10.2659	-0.0000 M1.3	
3	VERN V3	2.52 ENT	427.72	-10.5174	-0.03962	-10.5134	-0.0000 M1.3
	CENT	428.95	-10.5630	-0.03962	-10.5630	-0.0000 M1.3	
	FXIT	432.20	-10.6125	-0.03962	-10.6125	-0.0000 M1.3	
1	COLL C5H	4.01 ENT	440.95	-11.3387	-0.03962	-11.3387	-0.0000 M1.3
	CENT	442.95	-11.1179	-0.03962	-11.1179	-0.0000 M1.3	
	FXIT	444.95	-11.1971	-0.03962	-11.1971	-0.0000 M1.3	
2	COLL C6V	4.01 ENT	446.30	-11.2537	-0.03962	-11.2537	-0.0000 M1.3
	CENT	449.30	-11.3299	-0.03962	-11.3299	-0.0000 M1.3	
	FXIT	451.30	-11.4091	-0.03962	-11.4091	-0.0000 M1.3	
3	1F 3.02n	451.49 ENT	451.49	-11.4563	-0.03962	-11.4563	-0.0000 M1.3
4	PM1	2.01 ENT	451.49	-11.4563	-0.03962	-11.4563	-0.0000 M1.3
5	LC1	2.01 ENT	451.49	-11.4563	-0.03962	-11.4563	-0.0000 M1.3
6	DIR3 F.24	455.00 ENT	455.00	-11.5955	-0.03962	-11.5955	-0.0000 M1.3
7	DIR4 2.01	455.00 ENT	455.00	-19.3252	-0.03962	-19.3252	-0.0000 M1.3
8	COLL C7V	4.30 ENT	655.24	-19.5327	-0.03962	-19.5327	-0.0000 M1.3
	CENT	657.24	-19.6119	-0.03962	-19.6119	-0.0000 M1.3	
	FXIT	659.24	-19.6911	-0.03962	-19.6911	-0.0000 M1.3	
9	COLL C7H	2.50 ENT	667.96	-19.7597	-0.03962	-19.7597	-0.0000 M1.3
	CENT	662.21	-19.8002	-0.03962	-19.8092	-0.0000 M1.3	
	FXIT	663.46	-19.8887	-0.03962	-19.8587	-0.0000 M1.3	
0	VERN V5	2.50 ENT	664.96	-19.9181	-0.03962	-19.9181	-0.0000 M1.3
	CENT	666.21	-19.9676	-0.03962	-19.9676	-0.0000 M1.3	
	FXIT	667.46	-20.0171	-0.03962	-20.0171	-0.0000 M1.3	
1	FEND 09	19.92 ENT	669.95	-20.1157	-0.03962	-20.1157	-0.0000 M1.3
2	REND 810	19.92 ENT	670.90	-20.5557	-0.04419	-20.5442	-0.0341 M1.3
	CENT	669.84	-20.9956	-0.04876	-20.9841	-0.0796 M1.3	
	FXIT	732.21	-23.4397	-0.06705	-23.4282	-0.0439 M1.3	
3	FEND 811	19.92 ENT	712.33	-22.1940	-0.15791	-22.1846	-0.3866 M1.3
	CENT	722.27	-22.8178	-0.36246	-22.8064	-0.6163 M1.3	
	FXIT	732.21	-23.4397	-0.06705	-23.4282	-0.0439 M1.3	
4	FEND 812	19.92 ENT	733.56	-23.5378	-0.56725	-23.5194	-0.6813 M1.3
	CENT	743.53	-24.2435	-0.07163	-24.2320	-1.2900 M1.3	
	FXIT	753.43	-24.9551	-0.07629	-24.9447	-1.5187 M1.3	

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M1 402 GEN BEAM LINE MAY 1977: STAN ECKLUND. FILE BSM1.DAT[105,711]

N	TYPE	NAME	X	Z	XBCN	THETA	XN	OFFSET-REF
45	QUAD	011 13.00 ENT	755.43	-25.1853	-0.07620	-25.1853	0.0000	M1.4
	CENT	761.42	-25.5659	-0.07620	-25.5659	-0.0000	M1.4	
	EXIT	766.42	-25.9465	-0.07620	-25.9465	-0.0000	M1.4	
46	QUAD	012 13.00 ENT	767.90	-26.0537	-0.07620	-26.0607	-0.0000	M1.4
	CENT	772.88	-26.4414	-0.07620	-26.4414	-0.0000	M1.4	
	EXIT	777.87	-26.8220	-0.07620	-26.8220	-0.0000	M1.4	
47	QUAD	013 2.00 ENT	779.36	-26.9332	-0.07620	-26.9362	-0.0000	M1.4
	CENT	781.86	-27.1265	-0.07620	-27.1265	-0.0000	M1.4	
	EXIT	784.35	-27.3168	-0.07620	-27.3168	-0.0000	M1.4	
48	QUAD	013 12.00 ENT	765.85	-27.4310	-0.07620	-27.4310	-0.0000	M1.4
	CENT	791.83	-27.8116	-0.07620	-27.8116	-0.0000	M1.4	
	EXIT	795.82	-28.1922	-0.07620	-28.1922	-0.0000	M1.4	
49	QUAD	014 12.00 ENT	797.31	-28.3064	-0.07620	-28.3064	-0.0000	M1.4
	CENT	802.30	-28.6871	-0.07620	-28.6871	-0.0000	M1.4	
	EXIT	807.28	-29.0677	-0.07620	-29.0677	-0.0000	M1.4	
50	DIKS	7.00 ENT	811.00	-29.2746	-0.07620	-29.2746	-0.0000	M1.4
51	01K6	2.00	881.99	-34.7717	-0.07620	-34.7717	-0.0000	M1.4
52	2F	2.03	883.37	-34.8768	-0.07620	-34.8768	-0.0000	M1.4
53	PW2	7.07	883.37	-34.8758	-0.07620	-34.8768	-0.0000	M1.4
54	COLL	CBH 4.00 ENT	884.09	-34.9316	-0.07620	-34.9316	-0.0000	M1.4
	CENT	886.78	-35.0839	-0.07620	-35.0839	-0.0000	M1.4	
	EXIT	888.08	-35.2361	-0.07620	-35.2361	-0.0000	M1.4	
55	LC2	2.07	888.97	-35.3046	-0.07620	-35.3246	-0.0000	M1.4
56	PEND	813 25.00 ENT	889.97	-35.3807	-0.07620	-35.3807	-0.0000	M1.4
	CENT	899.94	-35.4420	-0.07620	-35.4420	-0.0000	M1.4	
	EXIT	900.91	-36.9033	-0.07620	-36.9033	-0.0000	M1.4	
57	VERN	V6 2.00 ENT	916.70	-37.4217	-0.07620	-37.4217	-0.0000	M1.4
	CENT	917.95	-37.5168	-0.07620	-37.5168	-0.0000	M1.4	
	EXIT	919.20	-37.6120	-0.07620	-37.6120	-0.0000	M1.4	
58	QUAD	015 12.00 ENT	1025.46	-44.1937	-0.07620	-44.1937	-0.0000	M1.4
	CENT	1024.97	-44.5743	-0.07620	-44.5743	-0.0000	M1.4	
	EXIT	1020.95	-46.0679	-0.07620	-46.0679	-0.0000	M1.4	
59	QUAD	016 17.00 ENT	1019.98	-45.3067	-0.07620	-45.3067	-0.0000	M1.4
	CENT	1031.49	-46.1852	-0.07620	-46.1852	-0.0000	M1.4	
	EXIT	1015.37	-44.9550	-0.07620	-44.9550	-0.0000	M1.4	
60	QUAD	017 17.00 ENT	1031.49	-46.1852	-0.07620	-46.1852	-0.0000	M1.4
	CENT	1036.47	-46.5658	-0.07620	-46.5658	-0.0000	M1.4	
	EXIT	1041.46	-46.9464	-0.07620	-46.9464	-0.0000	M1.4	

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M1 400 GEV BEAM LINE MAY 1977: STAN ECKLUND. FILE BSM1.OAT[125,711]

N	TYPE	NAME	1	2	XBCL	THETA	XN	OFFSET--REF
61	QUAD	Q18	12.00	ENT	1046.11	-47.3016	-0.07620	-47.3016 -0.0000 M1.4
				CENT	1051.10	-47.6823	-0.07620	-47.6823 -0.0000 M1.4
				EXIT	1056.08	-48.0623	-0.07620	-48.0623 -0.0000 M1.4
62		PM3	2.00		1050.40	-48.3164	-0.07620	-48.3164 -0.0000 M1.4
63		K1	53.00	ENT	1052.40	-48.3164	-0.07620	-48.3164 -0.0000 M1.4
				CENT	1035.83	-50.3337	-0.07620	-50.3337 -0.0000 M1.4
				EXIT	1112.25	-52.3511	-0.07620	-52.3511 -0.0000 M1.4
64		K2	53.00	ENT	1115.38	-52.5902	-0.07620	-52.5902 -0.0000 M1.4
				CENT	1141.80	-54.6075	-0.07620	-54.6075 -0.0000 M1.4
				EXIT	1168.23	-56.6248	-0.07620	-56.6248 -0.0000 M1.4
65		PM4	2.00		1171.65	-56.8850	-0.07620	-56.8860 -0.0000 M1.4
66	QUAD	Q19	12.00	ENT	1175.44	-57.1752	-0.07620	-57.1752 -0.0000 M1.4
				CENT	1182.42	-57.5559	-0.07620	-57.5559 -0.0000 M1.4
				EXIT	1185.41	-57.9365	-0.07620	-57.9365 -0.0000 M1.4
67	QUAD	Q20	12.00	ENT	1193.13	-58.2951	-0.07620	-58.2951 -0.0000 M1.4
				CENT	1195.09	-58.6757	-0.07620	-58.6757 -0.0000 M1.4
				EXIT	1223.07	-59.0563	-0.07620	-59.0563 -0.0000 M1.4
68	QUAD	Q21	12.00	ENT	1221.51	-59.1657	-0.07620	-59.1657 -0.0000 M1.4
				CENT	1226.49	-59.5463	-0.07620	-59.5463 -0.0000 M1.4
				EXIT	1211.48	-59.9270	-0.07620	-59.9270 -0.0000 M1.4
69	QUAD	Q22	12.00	ENT	1216.20	-60.2878	-0.07620	-60.2878 -0.0000 M1.4
				CENT	1221.19	-60.6684	-0.07620	-60.6684 -0.0000 M1.4
				EXIT	1226.17	-61.0491	-0.07620	-61.0491 -0.0000 M1.4
70	VERN	V7	2.50	ENT	1228.35	-61.2150	-0.07620	-61.2150 -0.0000 M1.4
				CENT	1229.59	-61.3172	-0.07620	-61.3172 -0.0000 M1.4
				EXIT	1230.84	-61.4053	-0.07620	-61.4053 -0.0000 M1.4
71	VERN	V8	2.50	ENT	1232.24	-61.5119	-0.07620	-61.5119 -0.0000 M1.4
				CENT	1233.48	-61.6071	-0.07620	-61.6071 -0.0000 M1.4
				EXIT	1234.73	-61.7022	-0.07620	-61.7022 -0.0000 M1.4
72		K3	94.80	ENT	1240.97	-62.1788	-0.07620	-62.1788 -0.0000 M1.4
				CENT	1254.23	-65.7870	-0.07620	-65.7870 -0.0000 M1.4
				EXIT	1335.49	-69.3952	-0.07620	-69.3952 -0.0000 M1.4
73		SF	2.00		1437.50	-77.1831	-0.07620	-77.1831 -0.0000 M1.4
74		PM5	2.00		1437.50	-77.1831	-0.07620	-77.1831 -0.0000 M1.4
75	PEND	A456	6.00	ENT	1480.22	-81.0559	-0.07620	-81.0559 -0.0000 M1.4
				CENT	1491.22	-81.2867	-0.07701	-81.2867 -0.0025 M1.4
				EXIT	1494.21	-81.5176	-0.07783	-81.5176 -0.0049 M1.4

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N	TYPE	NAME	X	Z	X8CL	THETA	XN	OFFSET--REF
76	PEND	8456 6.00 ENT	1496.22	-81.6731	-0.07783	-81.6731	-0.7082	M1.4
	CENT	1499.19	-81.9257	-0.57864	-81.9287	-0.0155	M1.4	
	EXIT	1502.18	-82.1444	-0.27946	-82.1444	-0.7228	M1.4	
77	NUAD	023 12.00 ENT	1538.13	-85.2066	-0.27946	-85.0266	-0.1403	M1.4
	CENT	1543.11	-85.4035	-0.27946	-85.1035	-0.1566	M1.4	
	EXIT	1548.10	-85.8034	-0.27946	-85.8064	-0.1729	M1.4	
78	NUAD	024 13.00 ENT	1553.08	-86.1973	-0.27946	-86.1973	-0.1892	M1.4
	CENT	1558.07	-86.5941	-0.27946	-86.5941	-0.2054	M1.4	
	EXIT	1563.05	-86.9910	-0.27946	-86.9910	-0.2217	M1.4	
79	4F	2.00	1647.63	-93.7259	-0.27946	-93.7259	-0.4982	M1.4

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3. Individual Device Descriptions

3.1 Train

The Meson train has a target with cross section $1/16"$ $\times 1/16"$ and a length of 8". Downstream of the target are three collimators which define all the Meson beam lines. The M1 aperature of these collimators is given in Table 3.1.

TABLE 3.1

M1 Target Train Aperatures

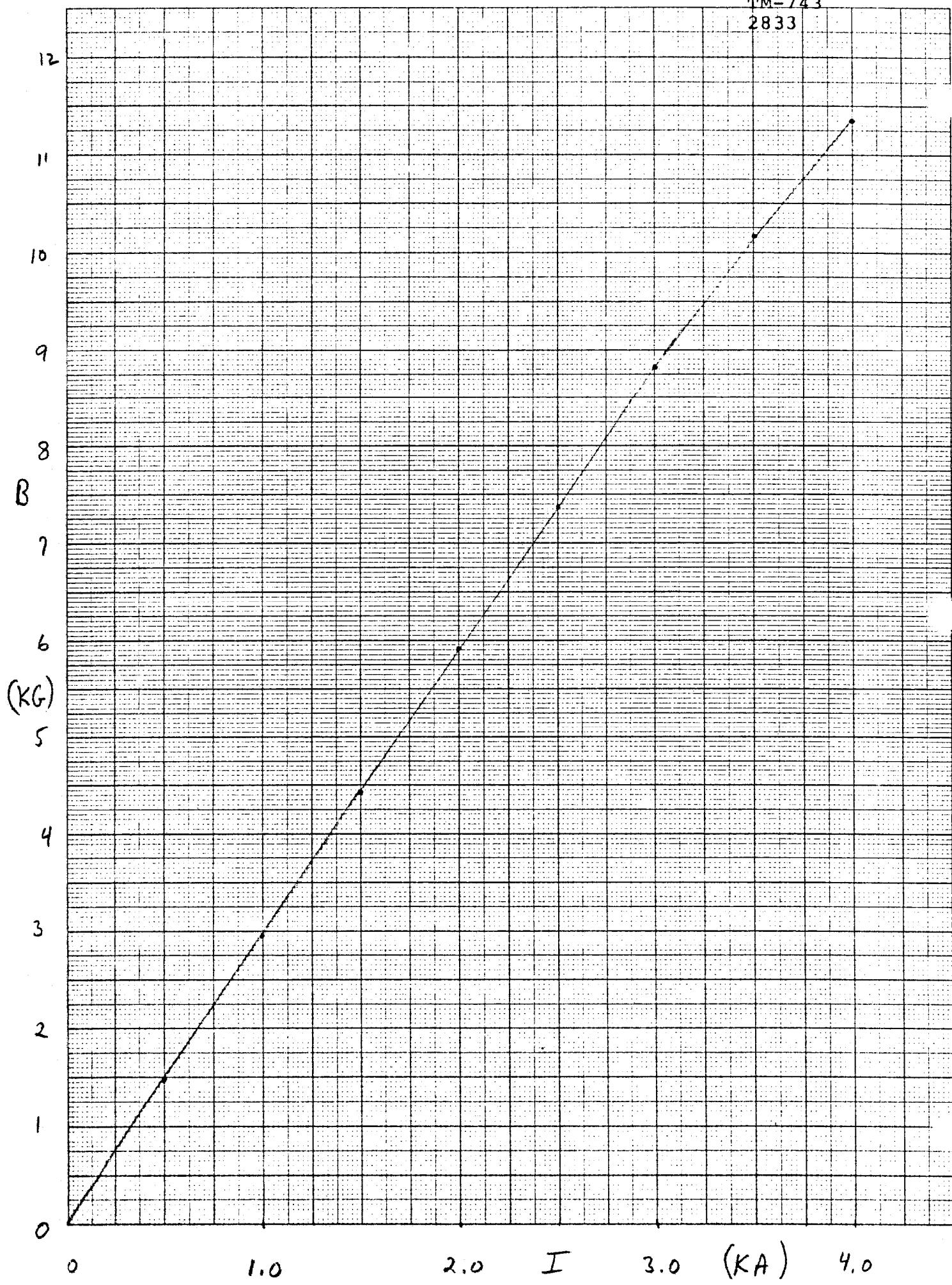
	Z	$\Delta X(\Delta\theta_x)$	$\Delta Y(\Delta\theta_y)$	Xinner	Xouter	θ_{inner} (mr)	θ_{outer} (mr)
C _{2u}	198"	.28"	1.09"				
C _{2d}	300	.36	1.58				
C _{3u}	318	.33	1.62	.896"	1.235	2.818	3.884
C _{3d}	420	.40	2.11	1.200	1.613	2.857	3.840
C _{4u}	438	.41	2.19	1.255	1.680	2.865	3.836
C _{4d}	540	.48	2.69	1.560	2.058	2.889	3.211

3.2 M1 Septa Magnets

There are five 12-turn 10.25' long M1 septum magnets. The measured excitation curve is given in the Figure 3.2. Their maximum field is 11.4 kG.

fig 3.2 MI Septum B5 (Serial #9)

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3.3 M1 Half Quads

A septum quadrupole was made from half of a 3Q120 quadrupole. This results in a quadrupole with 10% less strength than a 3Q120 and a half circle aperture of diameter 3". They are used in the Front End Hall where the beam is still too close to the M2 line to use 3Q120's. An excitation curve is shown in the Figure 3.3.

Q1, Q2, and Q3 have separate power supplies. Q4 and Q5 are wired in series.

3.4 Collimators

The collimators are either 4' or 6' long, vacuum or air, horizontal or vertical, as noted in the element list. They are controlled from the Control console with Set-up and Set-down commands. Readout units are in inches. The first three collimators should be used to control the beam aperture, C4V the vertical angle aperture, and C5H the momentum aperture. The other collimators should be used to clean up the beam.

3.5 Vernier Magnets

The vernier magnets are 2½" long with a gap of 4". They run as high as 2.5 kG at 100 Amperes which gives

Fig 3.3

EXCITATION CURVE FOR γ_2 QUADS (Q1, Q2)

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April 1973

5.0

 $G \left(\frac{\text{Kgauss}}{\text{inch}} \right)$

4.0

3.0

2.0

1.0

0

20

40

60

T

80

100 AMPS

$$B (\text{AMP}) = 19.54 G (\text{KG/inch})$$

a transverse kick of 0.057 GeV (0.57 mr @ 100 GeV).

A few vernier magnets have been opened up to a 5" gap and are proportionately weaker.

3.6 3Q120 Quadrupole Magnets

The 3Q120 is a 10' long magnet with a 3' diameter aperture. They are capable of gradients up to 5 kG/in with a linear excitation up to 4 kG/in. The "good" field aperture is estimated to be only 2" diameter.

3.7 Profile Monitors

There are two types of profile monitors. One for use in high fluxes is called a Gain Chamber. It is constructed like a PWC but run at low gain and has an analogue integrator attached to each wire. The monitor at 450' is of this type. The other type, a so-called TYPE A Chamber is a PWC with the usual amplifier-discriminator-scaler on each wire. Each scaler has a maximum count of 4093, so the entire set of scalers on a given plane is gated off when maximum count is reached by any one. The readout of both types of profile monitors is controlled by the control computer and displayed on the TV system.

3.8 B13

M1B13 is a Main Ring B2 Dipole which has been shimmed with $\frac{1}{2}$ " of steel both above and below the median plane. This allows a field as high as 26 kG at 5400 Amps. The vertical aperture is reduced to about 3/4" and the horizontal aperture is about 3". The measured excitation curve is shown in Figure 3.8.

3.9 Lead Converters

There are a set of lead converters which can be rotated into the beam remotely from the MS2 or MS3 service buildings.

3.10 Kycia Cerenkov Counter

There are facilities for two differential Cerenkov counters. They can be configured in a number of ways by changing the mirrors at the downstream end and the lengths. The table shows the various possibilities.

	K1		K2		Total Length
	θ_c (mr)	L (ft)	θ_c (mr)	L (ft)	
1.	15	53	15	53	106'
2.	7.5	106'	-	-	106'
3.	5.0	159'	-	-	159'
4.	7.5	106'	15	53	159'
5.	5.0	159'	15	53	212'

Fig 3.8
M1B13 Excitation Curve (B2 with 1" Shim)

Stan Ecklund
13 Jan 77

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400

2.5

350

2.0

300

B
(T)

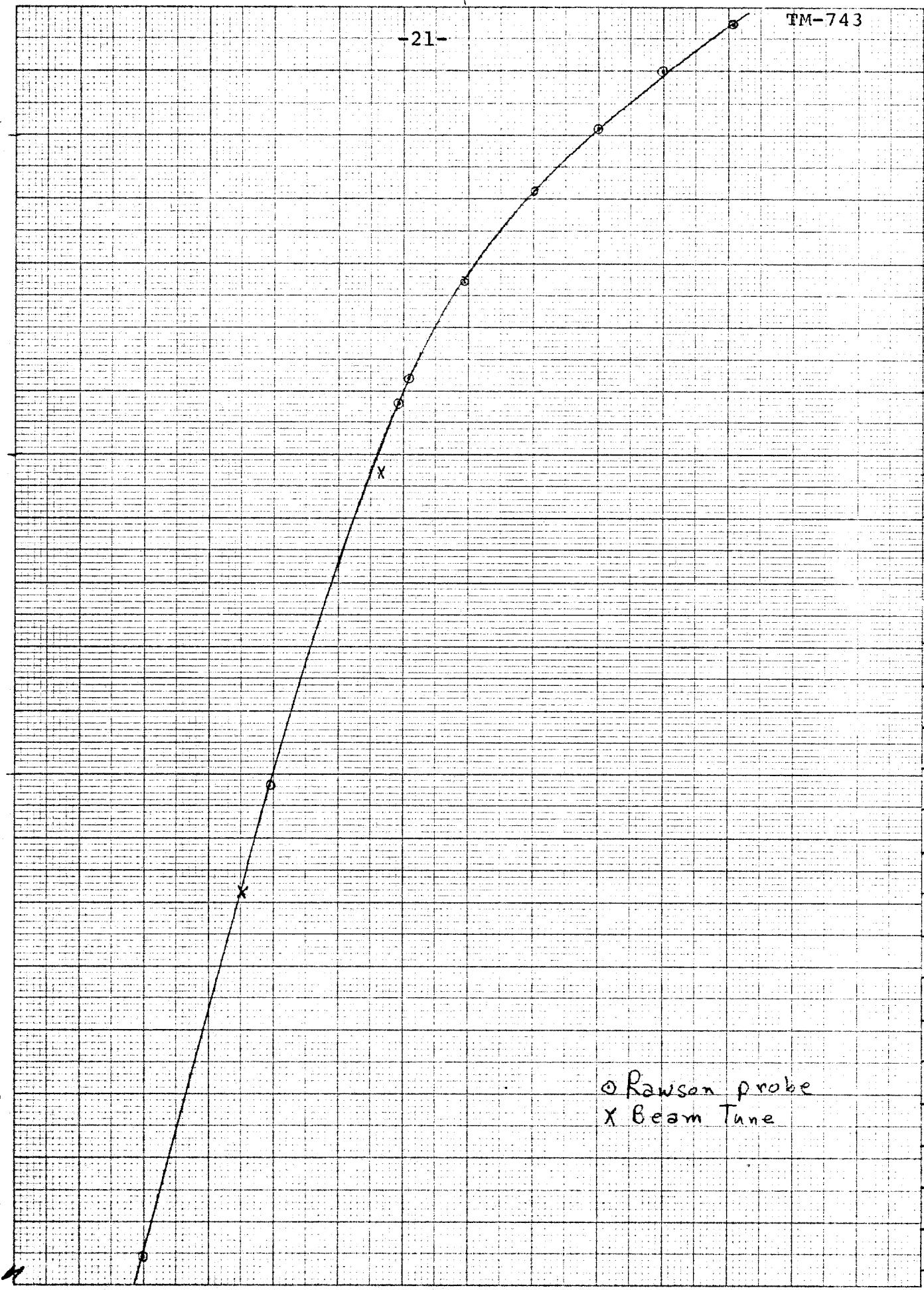
250

1.5

200

1.0

150



○ Rawson probe
X Beam Tune

0

1

2

3

I

4

(KA)

5

6

The upstream counter (K1) has a smaller aperture and is usually used for K identification. The angle of the mirror at the downstream end is remotely adjustable through the control system. A local control also exists. The readback has a calibration of .667 mr/volt.

The pressure in the counter is also controlled from the control system with the readback in PSIA.

The primary mirror focuses the Cerenkov light onto a set of mirror light pipes at the upstream end. Six phototubes (RCA-C31000 M) see light at the desired angle θ_c . The signals from these phototubes go to local amplifiers, discriminators, and a majority logic coincidence. Light outside the θ_c window hits six other phototubes (RCA-8575) which are used in anticoincidence. Both types of phototubes have high rate transistorized tube bases (C. Kerns model) with + high voltage. The signals are clipped and AC coupled. Two of the 8575 bases, one on each counter, have average anode current sensors. This is used to trip off the high voltage in case excessive light in the counter, which might damage the phototubes.

(Over \$15,000 is invested in phototubes for the two counters.) The trip level is adjustable so accidental trips under normal use should not be a problem.

3.11 Pruss Cerenkov Counter

This counter has two phototubes (C31000 M), one which see Cerenkov light at less than 5 mr to the counter axis, and one that covers greater than 5 mr. It may be used either as a threshold counter or pseudodifferential. Its pressure is controlled by the control computer with readback in PSIA units. A manual adjustment of the primary mirror can be made.

3.12 Beam Stop

There is a 3' long vacuum beam stop at 372'. (An additional 6' beam stop is under construction.) It is put in when there is a radiation trip and otherwise controlled from the users' control console.

3.13 Main Ring Quads

The Main Ring quadrupoles are used for field lenses at the first focus. They are wired in series with the first (Q8) opposite polarity to the second (Q9) and third (Q10). Q9 and Q10 are shorted out by a bus bar for operation over 300 GeV/c.

4. General Tune Considerations

There are a number of different tunes in use in the M1

line. Depending upon energy, desired intensity, spotsize and divergence, different quad excitations are needed. Five tunes are provided here as existence proofs.

Tunes are given for east and west branches, and maximum momenta of 250 GeV/c and 400 GeV/c. One tune is given for the west branch at 400 GeV with the longer parallel region (for K1 and K2). The different tunes differ primarily in how the front end is set. All the tunes have the focii at the same places (at the profile monitors PM1, PM2, and PM5). The first focus is momentum dispersed horizontally. After the second focus and the switch magnet B13 the beam is momentum recombined. This recombination is obtained even in the case of the east branch, by proper tuning of the first stage. This feature was not possible previous to the October, 1976 upgrade. The crucial new feature is the quads Q6 and Q7 located after the second bend point. They are tuned to affect the recombination along with Q8, Q9, and Q10. Q6 and Q7 also provide the degree of freedom needed to adjust the vertical size of the beam in the parallel region (for K1 and K2) and, hence, the degree of parallelness. The 400 GeV tunes are more parallel than 250 GeV tunes to match the Cerenkov counter needs. Quadrupoles Q1 through Q5 are tuned as a doublet (DDDF) to achieve the first focus. The 250 GeV tunes run a different

configuration in Q1 through Q5 (DDFFF) in order to gain more solid angle at the cost of a higher gradient for a given momentum. The field lenses Q8-Q10 are run as a doublet at the lower momentum.

FFFFFFFFFF	FFFFFFFFFF	FFFFFFFFFF	FFFFFFFFFF	FFFFFFFFFF
FFFFFFFFFF	FFFFFFFFFF	FFFFFFFFFF	FFFFFFFFFF	FFFFFFFFFF
2222222222	2222222222	2222222222	2222222222	2222222222
FFF	FFF	FFF	FFF	FFF
222	222	222	222	222
FFF	FFF	FFF	FFF	FFF
555	555	555	555	555
5555555555	5555555555	5555555555	5555555555	5555555555
5555555555	5555555555	5555555555	5555555555	5555555555
222	222	222	222	222
FFF	FFF	FFF	FFF	FFF
222	222	222	222	222
FFF	FFF	FFF	FFF	FFF
555	555	555	555	555
5555555555	5555555555	5555555555	5555555555	5555555555
5555555555	5555555555	5555555555	5555555555	5555555555
222	222	222	222	222
FFF	FFF	FFF	FFF	FFF
222	222	222	222	222
FFF	FFF	FFF	FFF	FFF
555	555	555	555	555
5555555555	5555555555	5555555555	5555555555	5555555555
5555555555	5555555555	5555555555	5555555555	5555555555
222	222	222	222	222
FFF	FFF	FFF	FFF	FFF

000000000000	AAAAAAA	TTTTTTTTTT	
000000000000	AAAAAAA	TTTTTTTTTT	
000000000000	AAA	TTTTTTTTTT	
000	000	AAA	TTT
000	000	AAA	TTT
000	000	AAA	TTT
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000000000000	AAA	TTT	

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LPT SPL VERSION 6(344) RUNNING ON LPT000
START USER ECKI UNH,S,[105,711] JOB 7F250E SEQ. 26125 DATE 03-MAY-77 22:13:40 *MONITOR TERM/LAB 6002.1 *START*
REQUEST CREATED: 03-MAY-77 22:15:12
FILE: DSK03:TF250F.DAT[105,711] CREATED: 29-APR-77 16:26:00 <155> PRINTED: 03-MAY-77 22:14:01
QUEUE SWITCHES: /PRINT:ARROW /FILE:FORT /SPACING:1 /LIMIT:560 /FORM:IN/PROtection
FILE WILL BE RENAMED TO <055> PROTECTION

2								
15.		8.00000	"FT "	0.30400	1			
15.		7.00000	"MR "	0.05730	1			
13.		19.00000						
13.		3.00000						
13.		6.00000						
13.		12.02000						
13.	"POFF"	18.00000						
1.00000		0.15900	1.00000	0.15900	1.00000	0.00000	2.00000	400.00000
16.00		19.00000	-3.00000					
3.0	"PF "	0.00000						
3.0		16.50000						
3.0	"C2 "	8.50000						
3.0		1.50000						
3.0	"C3 "	8.50000						
3.0		1.50000						
3.0	"C4 "	8.50000						
3.0		0.10000						
3.0	"NIK0"	0.00000						
3.0		6.30000						
5.00	"n1 "	10.00000	-7.56070	2.54000	1			
3.0		1.06300						
5.00	"n2 "	10.00000	-7.56070	2.54000	1			
3.0		1.07200						
5.00	"n3 "	10.00000	7.20000	2.54000	1			
3.0		1.32000						
2.0		1.33367						
4.000	"R1 "	10.25000	11.39147	0.00000	1			
2.0		1.33367						
3.0		1.24000						
2.0		1.33367						
4.000	"R2 "	10.25000	11.39147	0.00000	1			
2.0		1.33367						
3.0		1.32500						
5.00	"R4 "	10.00000	2.07172	2.54000	1			
3.0		1.07500						
5.00	"R5 "	10.00000	2.07172	2.54000	1			
3.0		1.34400						
2.0		1.33367						
4.000	"R3 "	10.25000	11.39147	0.00000	1			
2.0		1.33367						
3.0		1.20800						
2.0		1.33367						
4.000	"R4 "	10.25000	11.39147	0.00000	1			
2.0		1.33367						
3.0		1.22200						
2.0		1.33367						
4.000	"R5 "	10.25000	11.39147	0.00000	1			
2.0		1.33367						
3.0		1.34000						
3.0		0.29100						
3.0	"C3H "	6.00000						
3.0		0.29200						
3.0		1.35000						
2.0		3.88016						
4.000	"R6 "	19.91667	17.05637	0.00000	1			

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2.0		3.88016;
3.0		1.33700;
2.0		3.88016;
4.000	"R7 "	19.91667 17.05637 0.00000;
2.0		3.88016;
3.0		1.34200;
2.0		3.88016;
4.000	"R8 "	19.91667 17.05637 0.00000;
2.0		3.88016;
3.0		1.82000;
5.00	"n6 "	5.00000 3.00000 2.54000;
3.0		1.59900;
3.0	"v1 "	2.50000;
3.0		1.41900;
3.0		0.22900;
3.0	"C4V "	6.00200;
3.0		0.22900;
3.0		2.40300;
5.00	"n7 "	10.00000 -1.39040 2.54000;
3.0		2.62500;
3.0	"nIK1"	0.00000;
3.0		94.07600;
3.0	"nIK2"	0.00000;
3.0		7.26000;
3.0		0.11500;
3.0	"RS1 "	3.00000;
3.0		0.11500;
3.0		26.71800;
5.00	"n8 "	7.00000 -8.32775 2.54000;
3.0		4.22000;
5.00	"n9 "	4.33300 8.32775 2.54000;
3.0		1.41000;
5.00	"n10 "	4.33300 8.32775 2.54000;
3.0		6.25000;
3.0	"V3 "	2.50000;
3.0		10.46900;
3.0		0.29200;
3.0	"C5H "	4.00000;
3.0		0.29300;
3.0		0.83000;
3.0		0.23000;
3.0	"C6V "	4.00000;
3.0		0.23000;
3.0		0.96000;
3.0	"iF "	0.00000;
-1.0	"iF12"	-1.00000 2.00000 0.00000 0.00010;
-1.0	"iF34"	-3.00000 4.00000 0.00000 0.00010;
3.0	"PM1 "	0.00000;
3.0	"iC1 "	0.00000;
3.0		3.51500;
3.0	"nIK3"	0.00000;
3.0		195.15800;
3.0	"nIK4"	0.00000;
3.0		5.01000;
3.0		0.23000;
3.0	"C7V "	4.00000;
3.0		0.23200;
3.0		1.50000;
3.0	"C7H "	2.50000;
3.0		1.50000;

3.0	"V5 "	2.50000			
3.0		2.49000			
2.0		4.57275			
4.000	"R9 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		1.29000			
2.0		4.57275			
4.000	"A10 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		1.31000			
2.0		4.57275			
4.000	"A11 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		1.36000			
2.0		4.57275			
4.000	"R12 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		3.01000			
5.000	"n11 "	10.00000	5.05987	2.54000	
3.0		1.50000			
5.000	"n12 "	10.00000	5.05987	2.54000	
3.0		1.50000			
5.000	"n13A"	5.00000	-4.91839	2.54000	
3.0		1.50000			
5.000	"n13 "	10.00000	-4.91839	2.54000	
3.0		1.50000			
5.000	"n14 "	10.00000	-4.91839	2.54000	
3.0		2.72000			
3.0	"nIK5"	0.00000			
3.0		72.22900			
3.0	"nIK6"	0.00000			
3.0		1.38000			
3.0	"2F "	0.00000			
* -18.	"2F12"	-1.00000	2.00000	0.00000	0.00010
* -19.	"2F34"	-3.00000	4.00000	0.00000	0.00010
3.0	"PM2 "	0.00000			
3.0		0.72000			
3.0	"G8H "	4.00000			
3.0		0.90000			
3.0	"IC2 "	0.00000			
3.0		1.00000			
2.0		0.00000			
4.000	"R13 "	19.91667	26.37613	0.00000	
2.0		0.00000			
* -17.	"2F16"	-1.00000	6.00000	0.00000	0.00010
* -18.	"2F26"	-2.00000	6.00000	0.00000	0.00010
3.0		6.81000			
3.0	"V6 "	2.52000			
3.0	"PAR "	86.45800			
5.000	"n15 "	10.00000	-4.26383	2.54000	
3.0	"n10 "	4.62000			
5.000	"n16 "	10.00000	-4.26383	2.54000	
3.0	"n11 "	1.54000			
5.000	"n17 "	10.00000	3.55423	2.54000	
3.0	"n12 "	4.66600			
5.000	"n18 "	10.00000	3.55423	2.54000	
3.0		3.33000			
3.0	"PM3 "	0.00000			
-10.	"3F22"	-2.00000	2.00000	0.00000	0.00010
-12.	"3F44"	-4.00000	4.00000	0.00000	0.00010

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3.0	"K1 "	53.00000
3.0		3.14100
3.0	"K2 "	53.00000
3.0		3.43000
3.0	"PM4 "	0.02000
3.0		3.80000
5.00	"Q19 "	10.00000 2.82723 2.54000
3.0		4.71000
5.00	"Q20 "	10.00000 2.82723 2.54000
3.0		1.43700
5.00	"Q21 "	10.00000 -3.16247 2.54000
3.0		4.74000
5.00	"Q22 "	10.00000 -3.16247 2.54000
3.0		2.18200
3.0	"V7 "	2.50000
3.0		1.40000
3.0	"V8 "	2.50200
3.0		6.26000
3.0	"K3 "	94.79600
3.0		102.30300
3.0	"3F "	0.00200
-10.	"3F12"	-1.00000 2.00000 0.00000 0.00010
-10.	"3F34"	-3.00000 4.00000 0.00000 0.00010
3.0	"PM5 "	0.02000

250 GEV M1E

		R11	R12	R21	R22	R33	R34	R43	R44	R16	R20
BEAM	1.	400.00000	GEV	0.0000	0.0000	0.0000 FT	0.000	0.000	0.000 MR		
	0.000 FT	0.159 CM	1.002 MR	0.159 CM	1.000 MR	0.000 CM	2.000 PC	0.000	0.000		
THETAO	16.	19. -0.30000E+01									
DRIFT	3.	"OF "	0.00000 FT	0.0000	0.0000	0.0000 FT	-3.000	0.000	0.000 MR		
	0.000 FT	0.159 CM	1.002 MR	0.159 CM	1.000 MR	0.000 CM	2.000 PC	0.000	0.000		
DRIFT	3.	16.50000 FT	-0.0495	0.0000	16.4999 FT	-3.000	0.000	0.000 MR			
	16.500 FT	0.527 CM	1.002 MR	0.527 CM	1.000 MR	0.000 CM	2.000 PC	0.953	0.953		
DRIFT	3.	"C2 "	8.50000 FT	-0.0750	0.0000	24.9999 FT	-3.000	0.000	0.000 MR		
	25.000 FT	0.778 CM	1.002 MR	0.778 CM	1.000 MR	0.000 CM	2.000 PC	0.979	0.979		
DRIFT	3.	1.50000 FT	-0.0795	0.0000	26.4999 FT	-3.000	0.000	0.000 MR			
	26.500 FT	0.823 CM	1.002 MR	0.823 CM	1.000 MR	0.000 CM	2.000 PC	0.981	0.981		
DRIFT	3.	"C3 "	8.50000 FT	-0.1250	0.0000	34.9998 FT	-3.000	0.000	0.000 MR		
	35.000 FT	1.079 CM	1.002 MR	1.079 CM	1.000 MR	0.000 CM	2.000 PC	0.989	0.989		
DRIFT	3.	1.50000 FT	-0.1668	0.0000	1.0000	-1.0000	1.0668	0.0000	1.0000	0.0000	0.0200
	36.500 FT	1.124 CM	1.002 MR	1.124 CM	1.000 MR	0.000 CM	2.000 PC	0.990	0.990		
DRIFT	3.	"C4 "	8.50000 FT	-0.1350	0.0000	44.9998 FT	-3.000	0.000	0.000 MR		
	45.000 FT	1.381 CM	1.002 MR	1.381 CM	1.000 MR	0.000 CM	2.000 PC	0.993	0.993		
DRIFT	3.	0.12000 FT	-0.1353	0.0000	45.0990 FT	-3.000	0.000	0.000 MR			
	45.100 FT	1.384 CM	1.002 MR	1.384 CM	1.000 MR	0.000 CM	2.000 PC	0.993	0.993		
DRIFT	3.	"DIK0"	0.00000 FT	-0.1353	0.0000	45.0998 FT	-3.000	0.000	0.000 MR		
	45.100 FT	1.384 CM	1.002 MR	1.384 CM	1.000 MR	0.000 CM	2.000 PC	0.993	0.993		
DRIFT	3.	6.30000 FT	-0.1542	0.0000	51.3998 FT	-3.000	0.000	0.000 MR			
	51.400 FT	1.575 CM	1.002 MR	1.575 CM	1.000 MR	0.000 CM	2.000 PC	0.995	0.995		
QUAD	5.	"Q1 "	10.00000 FT	-7.56070 KG	2.54000 CM	(-46.62089 FT)					
	61.400 FT	2.055 CM	2.211 MR	1.707 CM	0.167 MR	0.000 CM	2.000 PC	0.999	-0.831		
DRIFT	3.	1.1054	2.0473	0.7037	2.2079	0.8981	1.7015	-0.6567	-0.1308	0.0200	0.0200
	62.463 FT	1.06300 FT	-0.1874	0.0000	62.4627 FT	-3.000	0.000	0.000 MR			
QUAD	5.	"Q2 "	10.00000 FT	-7.56070 KG	2.54000 CM	(-46.62089 FT)					
	72.463 FT	3.048 CM	3.940 MR	1.489 CM	1.246 MR	0.000 CM	2.000 PC	1.000	-0.996		
DRIFT	3.	1.07200 FT	1.4692	3.0387	1.5719	0.5942	1.4859	-1.1657	-1.2321	0.0000	0.0200

73.535		-0.2206 0.0000 73.5347 FT	-3.000 0.000 0.000 MR				
		3.176 CM 3.940 MR 1.44 H	1.246 MR 0.000 CM 2.000 PC				
QUAN	5.	"03 "	1.5205 3.1672 1.5719 3.9318	0.5561 1.4456 -1.1657 -1.2321		1.000 0.0000	-0.996 0.0200
83.535 FT		10.00000 FT 7.20000 KG	2.54000 CM (- 52.37108 FT)				
DRIFT	3.	-0.2506 0.0000 83.5346 FT	-3.000 0.000 0.000 MR				
		4.030 CM 1.568 MR 1.203 CM	0.415 MR 0.000 CM 2.000 PC			1.000 0.0000	-0.948 0.0200
ROTAT		1.8364 4.0191 0.4667 1.5660	0.2448 1.2026 -0.9106 -0.3885			0.0000 0.0000	
84.855 FT		1.32000 FT					
		-0.2546 0.0000 84.8546 FT	-3.000 0.000 0.000 MR				
ROTAT	2.	4.093 CM 1.568 MR 1.187 CM	0.415 MR 0.000 CM 2.000 PC			1.000 0.0000	-0.946 0.0200
84.855 FT		1.8552 4.0821 0.4667 1.5660	0.2082 1.1870 -0.9106 -0.3885			0.0000 0.0000	
		1.33367 MR					
BEND	4.	"01 "	10.25000 FT 11.39147 KG	0.00000 (- 3842.767 FT, 2.667 MR)			
95.105 FT		-0.2990 0.0000 95.1045 FT	-5.667 0.000 0.000 MR				
		4.582 CM 1.569 MR 1.066 CM	0.415 MR 0.012 CM 2.000 PC			0.999 0.0000	-0.933 0.0267
DRIFT	3.	2.0010 4.5714 0.4667 1.5660	-0.0763 1.0656 -0.9106 -0.3885			0.0042 0.0000	
96.345 FT		1.24000 FT					
		-0.3060 0.0000 96.3445 FT	-5.667 0.000 0.000 MR				
ROTAT	2.	4.642 CM 1.569 MR 1.051 CM	0.415 MR 0.012 CM 2.000 PC			0.999 0.0000	-0.933 0.0267
96.345 FT		2.0187 4.6305 0.4667 1.5660	-0.1107 1.0509 -0.9106 -0.3885			0.0052 0.0000	
		1.33367 MR					
BEND	4.	"02 "	10.25000 FT 11.39147 KG	0.00000 (- 3842.767 FT, 2.667 MR)			
106.595 FT		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR				
		5.131 CM 1.571 MR 0.932 CM	0.415 MR 0.025 CM 2.000 PC			0.998 0.0000	-0.911 0.0267
ROTAT	2.	2.1645 5.1198 0.4667 1.5660	-0.3952 0.9296 -0.9106 -0.3885			0.0177 0.0000	
106.595 FT		1.33367 MR					
		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR				
DRIFT	3.	5.131 CM 1.571 MR 0.932 CM	0.415 MR 0.025 CM 2.000 PC			0.998 0.0000	-0.911 0.0267
107.920 FT		2.1645 5.1198 0.4667 1.5660	-0.3952 0.9296 -0.9106 -0.3885			0.0177 0.0000	
		1.32500 FT					
QUAN	5.	"04 "	-0.3888 0.0000 107.9192 FT	-8.335 0.000 0.000 MR			
117.920 FT		5.195 CM 1.571 MR 0.916 CM	0.415 MR 0.025 CM 2.000 PC			0.998 0.0000	-0.928 0.0267
		2.1833 5.1831 0.4667 1.5660	-0.4320 0.9139 -0.9106 -0.3885			0.0198 0.0000	
DRIFT	3.	10.00000 FT 2.07172 KG	2.54000 CM (- 177.75818 FT)				
118.995 FT		-0.4722 0.0000 117.9189 FT	-8.335 0.000 0.000 MR				
		5.522 CM 0.573 MR 0.828 CM	0.279 MR 0.025 CM 2.000 PC			0.987 0.0000	-0.727 0.0267
QUAN	5.	"05 "	2.2626 5.5094 0.0506 0.5651	-0.7245 0.8204 -1.0178 -0.2277		0.0354 0.0000	
128.995 FT		1.07500 FT					
		-0.4811 0.0000 118.9938 FT	-8.335 0.000 0.000 MR				
ROTAT	2.	5.540 CM 0.573 MR 0.822 CM	0.279 MR 0.025 CM 2.000 PC			0.987 0.0000	-0.721 0.0267
130.339 FT		2.2642 5.5279 0.0506 0.5651	-0.7579 0.8129 -1.0178 -0.2277			0.0370 0.0000	
		1.33367 MR					

130.339 FT		-8.5757 0.0000 130,3374 FT	-8.335 0.000 0.000 MR			
		5.535 CM 0.481 MR 0.784 CM	0.206 MR 0.025 CM 2,000 PC	-0.981	-0.172	
		2.2004 5.5230 -0.3687 -0.4710	-1.1414 0.7627 -1.1894 -0.0813	0.0521	0.0430	
BEND	4.	"B3 "	10.25000 FT 11.39147 KG	(3842,767 FT , 2.667 MR)		
140.589 FT		-0.6748 0.0000 140,5869 FT	-11.002 0.000 0.000 MR			
		5.388 CM 0.493 MR 0.776 CM	0.206 MR 0.039 CM 2,000 PC	-0.954	-0.091	
		2.0852 5.3758 -0.3688 -0.4712	-1.5130 0.7373 -1.1894 -0.0813	0.0688	0.0667	
ROTAT	2.		1.33367 MR			
140.589 FT		-0.6748 0.0000 140,5869 FT	-11.002 0.000 0.000 MR			
		5.388 CM 0.493 MR 0.776 CM	0.206 MR 0.039 CM 2,000 PC	-0.954	-0.091	
		2.0852 5.3758 -0.3687 -0.4711	-1.5130 0.7373 -1.1894 -0.0813	0.0688	0.0667	
DRIFT	3.		1.20800 FT			
141.797 FT		-0.6881 0.0000 141,7949 FT	-11.002 0.000 0.000 MR			
		5.370 CM 0.493 MR 0.775 CM	0.206 MR 0.039 CM 2,000 PC	-0.953	-0.081	
		2.0716 5.3585 -0.3687 -0.4711	-1.5568 0.7343 -1.1894 -0.0813	0.0712	0.0667	
ROTAT	2.		1.33367 MR			
141.797 FT		-0.6881 0.0000 141,7949 FT	-11.002 0.000 0.000 MR			
		5.370 CM 0.493 MR 0.775 CM	0.206 MR 0.039 CM 2,000 PC	-0.953	-0.081	
		2.0716 5.3585 -0.3687 -0.4710	-1.5568 0.7343 -1.1894 -0.0813	0.0712	0.0667	
BEND	4.	"B4 "	10.25000 FT 11.39147 KG	(3842,767 FT , 2.667 MR)		
152.047 FT		-0.8145 0.0000 152,0441 FT	-13.669 0.000 0.000 MR			
		5.224 CM 0.512 MR 0.772 CM	0.206 MR 0.053 CM 2,000 PC	-0.915	0.002	
		1.9564 5.2113 -0.3688 -0.4712	-1.9283 0.7089 -1.1894 -0.0813	0.0962	0.0933	
ROTAT	2.		1.33367 MR			
152.047 FT		-0.8145 0.0000 152,0441 FT	-13.669 0.000 0.000 MR			
		5.224 CM 0.512 MR 0.772 CM	0.206 MR 0.053 CM 2,000 PC	-0.915	0.002	
		1.9564 5.2113 -0.3687 -0.4711	-1.9283 0.7089 -1.1893 -0.0814	0.0962	0.0933	
DRIFT	3.		1.22200 FT			
153.269 FT		-0.8312 0.0000 153,2660 FT	-13.669 0.000 0.000 MR			
		5.207 CM 0.512 MR 0.772 CM	0.206 MR 0.053 CM 2,000 PC	-0.914	0.012	13
		1.9427 5.1938 -0.3687 -0.4711	-1.9726 0.7059 -1.1893 -0.0814	0.0997	0.0933	
ROTAT	2.		1.33367 MR			
153.269 FT		-0.8312 0.0000 153,2660 FT	-13.669 0.000 0.000 MR			
		5.207 CM 0.512 MR 0.772 CM	0.206 MR 0.053 CM 2,000 PC	-0.914	0.012	
		1.9427 5.1938 -0.3687 -0.4710	-1.9726 0.7059 -1.1893 -0.0814	0.0997	0.0933	
BEND	4.	"B5 "	10.25000 FT 11.39147 KG	(3842,767 FT , 2.667 MR)		
163.519 FT		-0.9850 0.0000 163,5148 FT	-16.337 0.000 0.000 MR			
		5.062 CM 0.532 MR 0.776 CM	0.206 MR 0.067 CM 2,000 PC	-0.866	0.095	
		1.8275 5.0466 -0.3688 -0.4712	-2.3442 0.6805 -1.1893 -0.0814	0.1330	0.1200	
ROTAT	2.		1.33367 MR			
163.519 FT		-0.9850 0.0000 163,5148 FT	-16.337 0.000 0.000 MR			
		5.062 CM 0.532 MR 0.776 CM	0.206 MR 0.067 CM 2,000 PC	-0.866	0.095	
		1.8275 5.0466 -0.3687 -0.4711	-2.3442 0.6805 -1.1893 -0.0814	0.1330	0.1200	
DRIFT	3.		1.34000 FT			
164.859 FT		-1.0069 0.0000 164,8546 FT	-16.337 0.000 0.000 MR			
		5.043 CM 0.532 MR 0.777 CM	0.206 MR 0.067 CM 2,000 PC	-0.864	0.125	
		1.8124 5.0273 -0.3687 -0.4711	-2.3928 0.6771 -1.1893 -0.0814	0.1379	0.1200	
DRIFT	3.		0.29100 FT			
165.150 FT		-1.0116 0.0000 165,1456 FT	-16.337 0.000 0.000 MR			
		5.039 CM 0.532 MR 0.777 CM	0.206 MR 0.067 CM 2,000 PC	-0.864	0.128	
		1.8091 5.0232 -0.3687 -0.4711	-2.4033 0.6764 -1.1893 -0.0814	0.1390	0.1200	
DRIFT	3.	"C3H "	6.00200 FT			
171.150 FT		-1.1096 0.0000 171,1448 FT	-16.337 0.000 0.000 MR			
		4.955 CM 0.532 MR 0.782 CM	0.206 MR 0.067 CM 2,000 PC	-0.859	0.155	
		1.7417 4.9370 -0.3687 -0.4711	-2.6208 0.6615 -1.1893 -0.0814	0.1609	0.1200	
DRIFT	3.		0.29200 FT			
171.442 FT		-1.1144 0.0000 171,4368 FT	-16.337 0.000 0.000 MR			
		4.951 CM 0.532 MR 0.782 CM	0.206 MR 0.067 CM 2,000 PC	-0.859	0.157	
		1.7384 4.9328 -0.3687 -0.4711	-2.6314 0.6608 -1.1893 -0.0814	0.1609	0.1200	
DRIFT	3.		1.35800 FT			

172.800 FT		1.1366 0.0000 172.7946 FT	-16.337 0.000 0.000 MR				
		4.932 CM 0.532 MR 0.784 CM	0.206 MR 0.067 CM 2.000 PC	-0.	0.168		
		1.7232 4.9133 -0.3687 -0.4711	-2.6806 0.6574 -1.1893 -0.0814	0.1670	0.1200		
		3.88016 MR					
ROTAT	2.						
172.800 FT		-1.1366 0.0000 172.7946 FT	-16.337 0.000 0.000 MR				
		4.932 CM 0.532 MR 0.784 CM	0.206 MR 0.067 CM 2.000 PC	-0.858	0.168		
		1.7232 4.9133 -0.3687 -0.4709	-2.6806 0.6574 -1.1892 -0.0814	0.1670	0.1200		
BEND	4.	"B6 "	19.91667 FT 17.05637 KG	0.00000 (- 2566.476 FT)	7.760 MR)		
192.717 FT		-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR				
		4.663 CM 0.618 MR 0.814 CM	0.206 MR 0.104 CM 2.000 PC	-0.690	0.315		
		1.4993 4.6273 -0.3688 -0.4713	-3.4025 0.6080 -1.1892 -0.0814	0.2634	0.1976		
ROTAT	2.						
192.717 FT		-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR				
		4.663 CM 0.618 MR 0.814 CM	0.206 MR 0.104 CM 2.000 PC	-0.689	0.315		
		1.4993 4.6273 -0.3687 -0.4711	-3.4025 0.6080 -1.1890 -0.0814	0.2634	0.1976		
DRIFT	3.						
194.354 FT		1.33700 FT					
		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR				
		4.646 CM 0.618 MR 0.817 CM	0.206 MR 0.104 CM 2.000 PC	-0.686	0.324		
		1.4843 4.6081 -0.3687 -0.4711	-3.4510 0.6047 -1.1890 -0.0814	0.2714	0.1976		
ROTAT	2.						
194.054 FT		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR				
		4.646 CM 0.618 MR 0.817 CM	0.206 MR 0.104 CM 2.000 PC	-0.686	0.324		
		1.4843 4.6081 -0.3687 -0.4709	-3.4510 0.6047 -1.1888 -0.0815	0.2714	0.1976		
BEND	4.	"B7 "	19.91667 FT 17.05637 KG	0.00000 (- 2566.476 FT)	7.760 MR)		
213.070 FT		-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR				
		4.486 CM 0.727 MR 0.865 CM	0.206 MR 0.139 CM 2.000 PC	-0.497	0.450		
		1.2604 4.3222 -0.3687 -0.4711	-4.1727 0.5553 -1.1886 -0.0815	0.4150	0.2752		
ROTAT	2.						
213.970 FT		3.88016 MR					
		-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR				
		4.486 CM 0.727 MR 0.865 CM	0.206 MR 0.139 CM 2.000 PC	-0.497	0.450		
		1.2604 4.3222 -0.3687 -0.4711	-4.1727 0.5553 -1.1886 -0.0815	0.4150	0.2752		
DRIFT	3.						
215.312 FT		1.34200 FT					
		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR				
		4.391 CM 0.727 MR 0.869 CM	0.206 MR 0.139 CM 2.000 PC	-0.492	0.458		
		1.2453 4.3029 -0.3687 -0.4711	-4.2213 0.5519 -1.1886 -0.0815	0.4262	0.2752		
ROTAT	2.						
215.312 FT		3.88016 MR					
		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR				
		4.391 CM 0.727 MR 0.869 CM	0.206 MR 0.139 CM 2.000 PC	-0.492	0.458		
		1.2453 4.3029 -0.3687 -0.4709	-4.2213 0.5519 -1.1884 -0.0815	0.4262	0.2752		
BEND	4.	"B8 "	19.91667 FT 17.05637 KG	0.00000 (- 2566.476 FT)	7.760 MR)		
235.229 FT		-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR				
		4.205 CM 0.851 MR 0.933 CM	0.206 MR 0.172 CM 2.000 PC	-0.289	0.562		
		1.0215 4.0169 -0.3688 -0.4713	-4.9427 0.5024 -1.1884 -0.0815	0.6168	0.3528		
ROTAT	2.						
235.229 FT		3.88016 MR					
		-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR				
		4.205 CM 0.851 MR 0.933 CM	0.206 MR 0.172 CM 2.000 PC	-0.288	0.562		
		1.0215 4.0169 -0.3687 -0.4711	-4.9427 0.5024 -1.1888 -0.0815	0.6168	0.3528		
DRIFT	3.						
237.049 FT		1.82000 FT					
		-2.9550 0.0000 237.0163 FT	-39.618 0.000 0.000 MR				
		4.192 CM 0.851 MR 0.939 CM	0.206 MR 0.172 CM 2.000 PC	-0.278	0.568		
		1.0010 3.9908 -0.3687 -0.4711	-5.0086 0.4979 -1.1882 -0.0815	0.6364	0.3528		
QUAN	5.	"06 "	5.00000 FT 3.00000 KG	2.54000 CM (- 244.02839 FT)			
242.049 FT		-3.1531 0.0000 242.0124 FT	-39.618 0.000 0.000 MR				
		4.115 CM 1.136 MR 0.967 CM	0.299 MR 0.172 CM 2.000 PC	-0.680	0.835		
		0.9348 3.8783 -0.4995 -1.0028	-5.2419 0.4906 -1.8784 -0.0150	0.6835	0.2636		
DRIFT	3.						
243.648 FT		1.59900 FT					
		-3.2164 0.0000 243.6102 FT	-39.618 0.000 0.000 MR				
		4.077 CM 1.136 MR 0.979 CM	0.299 MR 0.172 CM 2.000 PC	-0.673	0.842		
		0.9104 3.8294 -0.4995 -1.0028	-5.3335 0.4898 -1.8784 -0.0150	0.6963	0.2636		
DRIFT	3.	"v1 "					
		2.50000 FT					

400.337 FT

•QUAD*	5.	"08."	0.0000 400.1762	0.000 0.000 MR	-39.618 CM 0.189 MR 0.172 CH 2.000 PC	0.0748 -1.0891 -0.0748	0.4022 0.3692	
•QUAD*	417.337 FT	"09"	1.1340 CM 0.7920 FT	0.4190 -0.5892	-10.9640 2.5400 CH 0.172 CM 0.000 PC	-1.02567 FT) (-61.42567 FT)		
•QUAD*	415.890 FT	"1010"	0.0000 407.1707	FT 0.3384 CM 0.3556 MR 1.689 CM	-39.618 0.000 0.000 MR	0.000 0.000 PC	0.981 -0.992	
•DRIFT*	411.557 FT	"3."	1.2890 0.7086	"1.0483 -0.1995	-10.5845 0.1400 4.6130 2.000 PC	-0.1955 -0.1955 2.000 PC	2.6181 1.6734	
•DRIFT*	417.300 FT	"3."	1.42000 FT	0.0000 411.3874	FT 0.000 0.000 MR	-39.618 0.000 0.000 MR	0.000 0.000 MR	
•QUAD*	421.633 FT	"5."	0.6830 0.6244	CM 3.356 MR 1.512 CM 0.6244	-0.1995 0.1995 0.1995	0.750 MR 0.9912 0.1200 4.6130 2.000 PC	0.1555 0.1555 0.1555	
•DRIFT*	427.883 FT	"3."	1.5134 0.6067	CM 0.0000 417.1259	FT 0.000 0.000 MR	-39.618 0.259 MR 0.172 CH 2.000 PC	0.928 -0.915	
•DRIFT*	430.383 FT	"3."	1.6285 0.6108	CM 0.0000 427.7006	FT 0.000 0.000 MR	-39.618 0.259 MR 0.172 CH 2.000 PC	0.928 -0.915	
•DRIFT*	430.852 FT	"3."	1.6900 0.6215	CM 0.0000 427.7006	FT 0.000 0.000 MR	-39.618 0.276 MR 0.172 CH 2.000 PC	0.928 -0.915	
•DRIFT*	441.144 FT	"3."	1.735 CM 0.6280	0.0000 430.1986	FT 0.000 0.000 MR	-39.618 0.276 MR 0.172 CH 2.000 PC	0.928 -0.915	
•DRIFT*	445.144 FT	"3."	1.791 0.6280	CM 0.2007 0.0539	0.0000 440.9512	FT 0.000 0.000 MR	-39.618 0.276 MR 0.172 CH 2.000 PC	0.928 -0.915
•DRIFT*	445.437 FT	"3."	1.8351 0.6356	CM 0.1212 0.0539	0.0000 444.9481	FT 0.000 0.000 MR	-39.618 0.276 MR 0.172 CH 2.000 PC	0.928 -0.915
•DRIFT*	446.267 FT	"3."	1.83000 FT	0.0000 445.2408	FT 0.000 0.000 MR	-39.618 0.276 MR 0.172 CH 2.000 PC	0.928 -0.915	
•DRIFT*	450.497 FT	"3."	1.9091 0.6439	CM 0.0220 0.0539	0.0000 446.3000	FT 0.000 0.000 MR	-39.618 0.276 MR 0.172 CH 2.000 PC	0.928 -0.915
•DRIFT*	450.800 FT	"3."	1.9091 0.6439	CM 0.0220 0.0539	0.0000 450.2969	FT 0.000 0.000 MR	-39.618 0.276 MR 0.172 CH 2.000 PC	0.928 -0.915

450.727 FT	-11.4182	0.0000	450.5267 FT	-39.618	0.000	0.000 MR				
	5.643 CM	0.807 MR	1,748 CM	0.276 MR	0.172 CM	2,000 PC	-0.659	0.944		
	-1.6443	-0.0178	-0.0539	-0.6076	-10.9949	0.0027	-1.6374	-0.0906	2,8186	-0.2652
DRIFT	3.	0.96000 FT								
451.687 FT	-11.4563	0.0000	451.4859 FT	-39.618	0.000	0.000 MR				
	5.628 CM	0.807 MR	1,756 CM	0.276 MR	0.172 CM	2,000 PC	-0.656	0.944		
	-1.6458	-0.0000	-0.0539	-0.6076	-11.0429	0.0000	-1.6374	-0.0906	2,8109	-0.2652
DRIFT	3.	"1F "	0.00000 FT							
451.687 FT	-11.4563	0.0000	451.4859 FT	-39.618	0.000	0.000 MR				
	5.628 CM	0.807 MR	1,756 CM	0.276 MR	0.172 CM	2,000 PC	-0.656	0.944		
	-1.6458	-0.0000	-0.0539	-0.6076	-11.0429	0.0000	-1.6374	-0.0906	2,8109	-0.2652
DRIFT	3.	"PM1 "	0.00000 FT							
451.687 FT	-11.4563	0.0000	451.4859 FT	-39.618	0.000	0.000 MR				
	5.628 CM	0.807 MR	1,756 CM	0.276 MR	0.172 CM	2,000 PC	-0.656	0.944		
	-1.6458	-0.0000	-0.0539	-0.6076	-11.0429	0.0000	-1.6374	-0.0906	2,8109	-0.2652
DRIFT	3.	"LC1 "	0.00000 FT							
451.687 FT	-11.4563	0.0000	451.4859 FT	-39.618	0.000	0.000 MR				
	5.628 CM	0.807 MR	1,756 CM	0.276 MR	0.172 CM	2,000 PC	-0.656	0.944		
	-1.6458	-0.0000	-0.0539	-0.6076	-11.0429	0.0000	-1.6374	-0.0906	2,8109	-0.2652
DRIFT	3.	3.51500 FT								
455.202 FT	-11.5955	0.0000	454.9982 FT	-39.618	0.000	0.000 MR				
	5.571 CM	0.807 MR	1,784 CM	0.276 MR	0.172 CM	2,000 PC	-0.647	0.946		
	-1.6516	-0.0651	-0.0539	-0.6076	-11.2183	-0.0097	-1.6374	-0.0906	2,7825	-0.2652
DRIFT	3.	"DIK3"	0.00000 FT							
455.202 FT	-11.5955	0.0000	454.9982 FT	-39.618	0.000	0.000 MR				
	5.571 CM	0.807 MR	1,784 CM	0.276 MR	0.172 CM	2,000 PC	-0.647	0.946		
	-1.6516	-0.0651	-0.0539	-0.6076	-11.2183	-0.0097	-1.6374	-0.0906	2,7825	-0.2652
DRIFT	3.	195.15800 FT								
650.360 FT	-19.3252	0.0000	650.0030 FT	-39.618	0.000	0.000 MR				
	4.410 CM	0.807 MR	3,377 CM	0.276 MR	0.172 CM	2,000 PC	0.270	0.985		
	-1.9721	-3.6793	-0.0539	-0.6076	-20.9585	-0.5484	-1.6374	-0.0906	1,2051	-0.2652
DRIFT	3.	"DIK4"	0.00000 FT							
650.360 FT	-19.3252	0.0000	650.0030 FT	-39.618	0.000	0.000 MR				
	4.410 CM	0.807 MR	3,377 CM	0.276 MR	0.172 CM	2,000 PC	0.270	0.985		
	-1.9721	-3.6793	-0.0539	-0.6076	-20.9585	-0.5484	-1.6374	-0.0906	1,2051	-0.2652
DRIFT	3.	5.01000 FT								
655.370 FT	-19.5236	0.0000	655.0091 FT	-39.618	0.000	0.000 MR				
	4.444 CM	0.807 MR	3,419 CM	0.276 MR	0.172 CM	2,000 PC	0.296	0.986		
	-1.9803	-3.7721	-0.0539	-0.6076	-21.2085	-0.5622	-1.6374	-0.0906	1,1646	-0.2652
DRIFT	3.	0.23000 FT								
655.670 FT	-19.5327	0.0000	655.2389 FT	-39.618	0.000	0.000 MR				
	4.446 CM	0.807 MR	3,421 CM	0.276 MR	0.172 CM	2,000 PC	0.297	0.986		
	-1.9807	-3.7764	-0.0539	-0.6076	-21.2200	-0.5628	-1.6374	-0.0906	1,1627	-0.2652
DRIFT	3.	"C7V "	4.00000 FT							
659.628 FT	-19.6911	0.0000	659.2358 FT	-39.618	0.000	0.000 MR				
	4.476 CM	0.807 MR	3,454 CM	0.276 MR	0.172 CM	2,000 PC	0.317	0.986		
	-1.9872	-3.8504	-0.0539	-0.6076	-21.4196	-0.5739	-1.6374	-0.0906	1,1304	-0.2652
DRIFT	3.	0.23000 FT								
659.830 FT	-19.7002	0.0000	659.4656 FT	-39.618	0.000	0.000 MR				
	4.478 CM	0.807 MR	3,456 CM	0.276 MR	0.172 CM	2,000 PC	0.318	0.986		
	-1.9876	-3.8547	-0.0539	-0.6076	-21.4311	-0.5745	-1.6374	-0.0906	1,1285	-0.2652
DRIFT	3.	1.50000 FT								
661.330 FT	-19.7597	0.0000	660.9644 FT	-39.618	0.000	0.000 MR				
	4.490 CM	0.807 MR	3,468 CM	0.276 MR	0.172 CM	2,000 PC	0.325	0.986		
	-1.9901	-3.8825	-0.0539	-0.6076	-21.5060	-0.5786	-1.6374	-0.0906	1,1164	-0.2652
DRIFT	3.	"C7H "	2.50000 FT							
663.830 FT	-19.8587	0.0000	663.4625 FT	-39.618	0.000	0.000 MR				
	4.510 CM	0.807 MR	3,489 CM	0.276 MR	0.172 CM	2,000 PC	0.337	0.986		
	-1.9942	-3.9288	-0.0539	-0.6076	-21.6307	-0.5855	-1.6374	-0.0906	1,0962	-0.2652
DRIFT	3.	1.50000 FT								

665.330

-19.9181	0.0000	664.9613	F	-39.618	0.000	0.000	MR	0.3	0.986	
4.523 CM	0.807	MR	3.52	N	0.276	MR	0.172	CM	2.000 PC	
-1.9967	-3.9566	-0.0539	-0.8076	-21.7056	-0.5897	-1.6374	-0.0906	1.0841	-0.2652	
•DRIFT*	3.	"V5	"	2.5000	FT	-20.171	0.0000	667.4593	FT	
667.830 FT	-20.0008	-4.0029	-0.0539	-0.8076	-21.8304	-0.5966	-21.6374	-0.0906	1.0639	-0.2652
•ROTAT*	3.	2.	4.9000	FT	-20.157	0.0000	669.9474	FT		
670.320 FT	-2.0049	-4.0490	-0.0539	-0.6076	-21.9546	-0.6035	-1.6374	-0.0906	1.0437	-0.2652
•ROTAT*	2.	4.57275	MR	-20.157	0.0000	669.9474	FT			
670.320 FT	4.567 CM	0.807	MR	3.543	CM	0.275	MR	0.172	CM	
-2.0749	-4.0490	-0.0540	-0.6079	-21.9546	-0.6035	-1.6359	-0.0905	1.0437	-0.2651	
•BEND*	4.	"V89	"	19.91667	FT	20.10081	KG	0.0000	(2177.761 FT)	
690.237 FT	-20.9956	0.0000	689.8445	FT	-48.763	0.000	0.000	MR	9.145 MR)	
4.789 CM	0.700	MR	3.708	CM	0.275	MR	0.172	CM	2.000 PC	
-2.0376	-4.4178	-0.0537	-0.6073	-22.9478	-0.6584	-1.6359	-0.0905	0.612	-0.1738	
•ROTAT*	2.	4.57275	MR	-20.9956	0.0000	689.8445	FT			
690.237 FT	4.789 CM	0.700	MR	3.708	CM	0.275	MR	0.172	CM	
-2.0376	-4.4178	-0.0539	-0.6076	-22.9478	-0.6584	-1.6343	-0.0905	0.613	-0.1737	
•DRIFT*	3.	1.29000	FT	-21.0000	0.0000	691.1330	FT			
691.527 FT	-21.0584	0.0000	691.1330	FT	-48.763	0.000	0.000	MR	0.613	-0.1737
4.806 CM	0.700	MR	3.718	CM	0.275	MR	0.172	CM	2.000 PC	
-2.0397	-4.4417	-0.0539	-0.6076	-23.0120	-0.6620	-1.6343	-0.0905	0.616	-0.1737	
•ROTAT*	2.	4.57275	MR	-21.0584	0.0000	691.1330	FT			
691.527 FT	4.806 CM	0.700	MR	3.718	CM	0.275	MR	0.172	CM	
-2.0397	-4.4417	-0.0540	-0.6079	-23.0120	-0.6620	-1.6328	-0.0904	0.617	-0.1737	
•BEND*	4.	"V10	"	19.91667	FT	20.10081	KG	0.00000	(2177.761 FT)	
711.443 FT	-22.1202	0.0000	711.0213	FT	-57.909	0.000	0.000	MR	9.145 MR)	
5.997 CM	0.629	MR	3.883	CM	0.275	MR	0.174	CM	2.000 PC	
-2.0724	-4.8106	-0.0537	-0.6073	-24.0032	-0.7169	-1.6328	-0.0904	0.8227	-0.1733	
•ROTAT*	2.	4.57275	MR	-22.1202	0.0000	711.0213	FT			
711.443 FT	5.097 CM	0.630	MR	3.883	CM	0.275	MR	0.174	CM	2.000 PC
-2.0724	-4.8106	-0.0539	-0.6076	-24.0032	-0.7169	-1.6311	-0.0904	0.8260	-0.1733	
•DRIFT*	3.	1.31000	FT	-22.1960	0.0000	712.3291	FT			
712.753 FT	5.118 CM	0.630	MR	3.894	CM	0.275	MR	0.174	CM	2.000 PC
-2.0745	-4.8348	-0.0539	-0.6076	-24.0683	-0.7205	-1.6311	-0.0904	0.8227	-0.1733	
•ROTAT*	2.	4.57275	MR	-22.1960	0.0000	712.3291	FT			
712.753 FT	5.118 CM	0.630	MR	3.894	CM	0.274	MR	0.174	CM	2.000 PC
-2.0745	-4.8348	-0.0540	-0.6079	-24.0683	-0.7205	-1.6295	-0.0903	0.8227	-0.1733	
•BEND*	4.	"V11	"	19.91667	FT	20.10081	KG	0.0000	(2177.761 FT)	
732.670 FT	-23.4396	0.0000	732.2068	FT	-67.054	0.000	0.000	MR	9.145 MR)	
5.455 CM	0.608	MR	4.059	CM	0.274	MR	0.079	CM	2.000 PC	
-2.1072	-5.2037	-0.0537	-0.6072	-25.0575	-0.7753	-1.6295	-0.0903	0.963	-0.1743	
•ROTAT*	2.	4.57275	MR	-23.4396	0.0000	732.2068	FT			
732.670 FT	5.455 CM	0.608	MR	4.059	CM	0.274	MR	0.079	CM	2.000 PC
-2.1072	-5.2037	-0.0539	-0.6076	-25.0575	-0.7753	-1.6277	-0.0903	0.964	-0.1743	
•DRIFT*	3.	1.36000	FT	-23.5300	0.0000	733.5637	FT			
734.030 FT	5.479 CM	0.606	MR	4.070	CM	0.274	MR	0.079	CM	2.000 PC
-2.1095	-5.2288	-0.0539	-0.6076	-25.1250	-0.7790	-1.6277	-0.0903	0.8239	-0.2092	
•ROTAT*	2.	4.57275	MR	-23.5300	0.0000	733.5637	FT			

734.838 FT		-23.5308 0.0000 733.5637 FT	-67.054 0.000 0.000 MR				
		5.479 CM 0.608 MR 4.070 CM	0.274 MR 0.079 CM 2.000 PC	0.964	0.998		
BEND	4.	"B12"	-2.1095 -5.2288 -0.0540 -0.6080	-25.1250 -0.7790 -1.6260 -0.0902	0.8009	0.0092	
		19.91667 FT 20.10081 KG	0.00000 (2177.761 FT , 9.145 MR)				
753.947 FT		-24.9561 0.0000 753.4293 FT	-76.200 0.000 0.000 MR				
		5.851 CM 0.640 MR 4.235 CM	0.274 MR 0.081 CM 2.000 PC	0.999	0.991		
ROTAT	2.	-2.1422 -5.5977 -0.0537 -0.6072	-26.1121 -0.8338 -1.6260 -0.0902	0.8342	0.1226		
753.947 FT		4.57275 MR					
		-24.9561 0.0000 753.4293 FT	-76.200 0.000 0.000 MR				
		5.851 CM 0.640 MR 4.235 CM	0.274 MR 0.081 CM 2.000 PC	0.999	0.991		
DRIFT	3.	-2.1422 -5.5977 -0.0539 -0.6076	-26.1121 -0.8338 -1.6242 -0.0902	0.8342	0.1206		
756.957 FT		3.01000 FT					
		-25.1852 0.0000 756.4305 FT	-76.200 0.000 0.000 MR				
		5.910 CM 0.640 MR 4.260 CM	0.274 MR 0.081 CM 2.000 PC	0.999	0.991		
QUAD	5.	"Q11"	-2.1471 -5.6534 -0.0539 -0.6076	-26.2611 -0.8421 -1.6242 -0.0902	0.8435	0.1026	
766.957 FT		10.00000 FT 5.05987 KG	2.54000 CM (73.78869 FT)				
		-25.9465 0.0000 766.4015 FT	-76.200 0.000 0.000 MR				
		5.695 CM 2.032 MR 4.643 CM	2.274 MR 0.081 CM 2.000 PC	-1.000	1.020		
		-2.0160 -5.4468 0.9045 1.9477	-28.6101 -0.9293 -13.9671 -0.4886	0.8156	-0.2813		
DRIFT	3.	1.50000 FT					
768.457 FT		-26.0607 0.0000 767.8972 FT	-76.200 0.000 0.000 MR				
		5.602 CM 2.032 MR 4.747 CM	2.274 MR 0.081 CM 2.000 PC	-1.030	1.030		
		-1.9746 -5.3577 0.9045 1.9477	-29.2487 -0.9516 -13.9671 -0.4886	0.8028	-0.2813		
QUAD	5.	"Q12"	10.00000 FT 5.05987 KG	2.54000 CM (73.78869 FT)			
778.457 FT		-26.8220 0.0000 777.8681 FT	-76.200 0.000 0.000 MR				
		4.613 CM 4.384 MR 5.789 CM	4.644 MR 0.081 CM 2.000 PC	-1.000	1.020		
		-1.5699 -4.4104 1.7204 4.1964	-35.6570 -1.1708 -28.5671 -0.9660	0.6640	-0.5189		
DRIFT	3.	1.50000 FT					
779.957 FT		-26.9361 0.0000 779.3638 FT	-76.200 0.000 0.000 MR			1	
		4.412 CM 4.384 MR 6.001 CM	4.644 MR 0.081 CM 2.000 PC	-1.000	1.020	1	
QUAD	5.	"Q13A"	-1.4912 -4.2186 1.7204 4.1964	-36.9631 -1.2149 -28.5671 -0.9660	0.6357	-0.5189	
784.957 FT		10.00000 FT -4.91839 KG	2.54000 CM (-147.50694 FT)				
		-27.3168 0.0000 784.3493 FT	-76.200 0.000 0.000 MR				
		3.815 CM 3.476 MR 6.604 CM	3.246 MR 0.081 CM 2.000 PC	-1.000	1.023		
		-1.2528 -3.6467 1.4178 3.3290	-40.6711 -1.3409 -19.9576 -0.6826	0.5516	-0.4880		
DRIFT	3.	1.50000 FT					
786.457 FT		-27.4310 0.0000 785.8449 FT	-76.200 0.000 0.000 MR				
		3.656 CM 3.476 MR 6.753 CM	3.246 MR 0.081 CM 2.000 PC	-1.000	1.020		
		-1.1879 -3.4945 1.4178 3.3290	-41.5835 -1.3721 -19.9576 -0.6826	0.5292	-0.4680		
QUAD	5.	"Q13"	10.00000 FT -4.91839 KG	2.54000 CM (-72.52768 FT)			
796.457 FT		-28.1922 0.0000 795.8159 FT	-76.200 0.000 0.000 MR				
		2.822 CM 2.062 MR 7.270 CM	0.111 MR 0.081 CM 2.000 PC	-0.999	0.980		
		-0.8270 -2.6951 0.9771 1.9752	-44.7589 -1.4841 -0.6433 -0.0437	0.4132	-0.2819		
DRIFT	3.	1.50000 FT					
797.957 FT		-28.3064 0.0000 797.3116 FT	-76.200 0.000 0.000 MR				
		2.728 CM 2.062 MR 7.275 CM	0.111 MR 0.081 CM 2.000 PC	-0.999	0.981		
QUAD	5.	"Q14"	-0.7823 -2.6048 0.9771 1.9752	-44.7883 -1.4861 -0.6433 -0.0437	0.4003	-0.2819	
807.957 FT		10.00000 FT -4.91839 KG	2.54000 CM (-72.52768 FT)				
		-29.0677 0.0000 807.2825 FT	-76.200 0.000 0.000 MR				
		2.272 CM 0.968 MR 6.822 CM	3.044 MR 0.081 CM 2.000 PC	-0.996	-1.000		
		-0.5311 -2.1667 0.6899 0.9316	-41.9944 -1.4000 18.7694 0.6019	0.3398	-0.1220		
DRIFT	3.	2.72000 FT					
810.677 FT		-29.2747 0.0000 809.9946 FT	-76.200 0.000 0.000 MR				
		2.192 CM 0.968 MR 6.570 CM	3.044 MR 0.081 CM 2.000 PC	-0.995	-1.000		
		-0.4739 -2.0895 0.6899 0.9316	-40.4383 -1.3501 18.7694 0.6019	0.3298	-0.1220		
DRIFT	3.	"DIK5"	0.00000 FT				
810.677 FT		-29.2747 0.0000 809.9946 FT	-76.200 0.000 0.000 MR				
		2.192 CM 0.968 MR 6.570 CM	3.044 MR 0.081 CM 2.000 PC	-0.995	-1.000		
		-0.4739 -2.0895 0.6899 0.9316	-40.4383 -1.3501 18.7694 0.6019	0.3298	-0.1220		
DRIFT	3.	72.20900 FT					

882.88 FT	-34.7717	0.0000	881.9941 FT	-76.200	0.000	0.000 MR				
	0.215 CM	0.968 MR	0.141 CM	3.044 MR	0.081 CM	2.000 PC	-0.	0.929		
	1.0445	-0.0392	0.6899 0.9316	0.8719	-0.0253	18.7694 0.6019	0.0657	-0.1220		
DRIFT	3.	"D1K6"	0.00000 FT	-34.7717	0.0000	881.9941 FT	-76.200	0.000	0.000 MR	
882.886 FT				0.215 CM	0.968 MR	0.141 CM	3.044 MR	0.081 CM	2.000 PC	-0.239 0.929
	1.0445	-0.0392	0.6899 0.9316	0.8719	-0.0253	18.7694 0.6019	0.0657	-0.1220		
DRIFT	3.		1.38000 FT	-34.8768	0.0000	883.3701 FT	-76.200	0.000	0.000 MR	
884.266 FT				0.209 CM	0.968 MR	0.264 CM	3.044 MR	0.081 CM	2.000 PC	-0.051 0.982
	1.0735	0.0000	0.6899 0.9316	1.6614	0.0000	18.7694 0.6019	0.0606	-0.1200		
DRIFT	3.	"2F "	0.00000 FT	-34.8768	0.0000	883.3701 FT	-76.200	0.000	0.000 MR	
884.266 FT				0.209 CM	0.968 MR	0.264 CM	3.044 MR	0.081 CM	2.000 PC	-0.051 0.982
	1.0735	0.0000	0.6899 0.9316	1.6614	0.0000	18.7694 0.6019	0.0606	-0.1200		
DRIFT	3.	"PM2 "	0.00000 FT	-34.8768	0.0000	883.3701 FT	-76.200	0.000	0.000 MR	
884.266 FT				0.209 CM	0.968 MR	0.264 CM	3.044 MR	0.081 CM	2.000 PC	-0.051 0.982
	1.0735	0.0000	0.6899 0.9316	1.6614	0.0000	18.7694 0.6019	0.0606	-0.1200		
DRIFT	3.		0.72000 FT	-34.9316	0.0000	884.0880 FT	-76.200	0.000	0.000 MR	
884.986 FT				0.209 CM	0.968 MR	0.330 CM	3.044 MR	0.081 CM	2.000 PC	0.050 0.987
	1.0886	0.0205	0.6899 0.9316	2.0733	0.0132	18.7694 0.6019	0.0580	-0.1200		
DRIFT	3.	"C8H "	4.00000 FT	-35.2361	0.0000	888.0764 FT	-76.200	0.000	0.000 MR	
888.986 FT				0.245 CM	0.968 MR	0.699 CM	3.044 MR	0.081 CM	2.000 PC	0.524 0.997
	1.1727	0.1340	0.6899 0.9316	4.3616	0.0866	18.7694 0.6019	0.0434	-0.1200		
DRIFT	3.		0.90000 FT	-35.3046	0.0000	888.9738 FT	-76.200	0.000	0.000 MR	
889.886 FT				0.260 CM	0.968 MR	0.782 CM	3.044 MR	0.081 CM	2.000 PC	0.596 0.998
	1.1916	0.1596	0.6899 0.9316	4.8765	0.1031	18.7694 0.6019	0.0401	-0.1200		
DRIFT	3.	"LC2 "	0.00000 FT	-35.3046	0.0000	888.9738 FT	-76.200	0.000	0.000 MR	
889.886 FT				0.260 CM	0.968 MR	0.782 CM	3.044 MR	0.081 CM	2.000 PC	0.596 0.998
	1.1916	0.1596	0.6899 0.9316	4.8765	0.1031	18.7694 0.6019	0.0401	-0.1200		
DRIFT	3.		1.00000 FT	-35.3807	0.0000	889.9709 FT	-76.200	0.000	0.000 MR	
890.886 FT				0.279 CM	0.968 MR	0.875 CM	3.044 MR	0.081 CM	2.000 PC	0.662 0.998
	1.2127	0.1880	0.6899 0.9316	5.4486	0.1215	18.7694 0.6019	0.0364	-0.1200		
ROTAT	2.		0.00000 MR	-35.3807	0.0000	889.9709 FT	-76.200	0.000	0.000 MR	
890.886 FT				0.279 CM	0.968 MR	0.875 CM	3.044 MR	0.081 CM	2.000 PC	0.662 0.998
	1.2127	0.1880	0.6899 0.9316	5.4486	0.1215	18.7694 0.6019	0.0364	-0.1200		
BEND	4.	"B13 "	19.91667 FT	26.37613 KG	0.00000	(1659.635 FT , 12.001 MR)				
910.802 FT			-37.0160	0.0000	909.8202 FT	-88.200	0.000	0.000 MR		
	0.797 CM	0.938 MR	2.722 CM	3.044 MR	0.081 CM	2.000 PC	0.977	1.032		
	1.6314	0.7535	0.6895 0.9315	16.8428	0.4869	18.7694 0.6019	0.0000	0.0300		
ROTAT	2.		0.00000 MR	-37.0160	0.0000	909.8202 FT	-88.200	0.000	0.000 MR	
910.802 FT				0.797 CM	0.938 MR	2.722 CM	3.044 MR	0.081 CM	2.000 PC	0.977 1.032
	1.6314	0.7535	0.6895 0.9315	16.8428	0.4869	18.7694 0.6019	0.0000	0.0300		
DRIFT	3.		6.81000 FT	-37.6159	0.0000	916.6037 FT	-88.200	0.000	0.000 MR	
917.612 FT				0.988 CM	0.938 MR	3.354 CM	3.044 MR	0.081 CM	2.000 PC	0.985 1.030
	1.7745	0.9468	0.6895 0.9315	20.7387	0.6118	18.7694 0.6019	0.0300	0.0220		
DRIFT	3.	"V6 "	2.50000 FT	-37.8361	0.0000	919.0940 FT	-88.200	0.000	0.000 MR	
920.112 FT				1.058 CM	0.938 MR	3.586 CM	3.044 MR	0.081 CM	2.000 PC	0.987 1.030
	1.8270	1.0178	0.6895 0.9315	22.1690	0.6577	18.7694 0.6019	0.0300	0.0300		
DRIFT	3.	"PAR "	86.45800 FT							

1026.570 FT		-45.4518 0.0000 1005.2159 FT	-88.200 0.000 0.000 MR					
		3.520 CM 0.938 MR 11.608 CM	3.044 MR 0.081 CM 2.000 PC	0.999	1.000			
		3.6441 3.4724 0.6895 0.9315	71.6309 2.2439 18.7694 0.6019	0.0000	0.0000	0.0000	0.0000	
QUAD	5.	"015 "	10.00000 FT -4.26383 KG	2.54000 CM (-83.91022 FT)				
1016.570 FT		-46.3327 0.0000 1015.1770 FT	-88.200 0.000 0.000 MR					
		4.019 CM 2.369 MR 11.846 CM	1.497 MR 0.081 CM 2.000 PC	1.000	-1.002			
DRIFT	3.	"D10 "	4.0734 3.9668 2.1550 2.3441	73.0953 2.2940 -9.2539 -0.2767	0.0000	0.0000	0.0000	0.0000
1021.190 FT		4.62000 FT						
		-46.7397 0.0000 1019.7791 FT	-88.200 0.000 0.000 MR					
		4.353 CM 2.369 MR 11.636 CM	1.497 MR 0.081 CM 2.000 PC	1.000	-1.002			
QUAD	5.	"016 "	4.3769 4.2969 2.1550 2.3441	71.7922 2.2550 -9.2539 -0.2767	0.0000	0.0000	0.0000	0.0000
1031.190 FT		10.00000 FT -4.26383 KG	2.54000 CM (-83.91022 FT)					
		-47.6205 0.0000 1029.7402 FT	-88.200 0.000 0.000 MR					
		5.346 CM 4.211 MR 10.515 CM	5.786 MR 0.081 CM 2.000 PC	1.000	-1.002			
		5.3049 5.2790 3.9935 4.1625	64.8713 2.0418 -35.7160 -1.1087	0.0000	0.0000	0.0000	0.0000	
DRIFT	3.	"D11 "	1.54000 FT					
1032.730 FT		-47.7562 0.0000 1031.2742 FT	-88.200 0.000 0.000 MR					
		5.544 CM 4.211 MR 10.243 CM	5.786 MR 0.081 CM 2.000 PC	1.000	-1.002			
QUAD	5.	"017 "	5.4924 5.4744 3.9935 4.1625	63.1948 1.9897 -35.7160 -1.1087	0.0000	0.0000	0.0000	0.0000
1042.730 FT		10.00000 FT 3.55423 KG	2.54000 CM (104.32114 FT)					
		-48.6370 0.0000 1041.2354 FT	-88.200 0.000 0.000 MR					
		6.538 CM 2.264 MR 8.954 CM	2.743 MR 0.081 CM 2.000 PC	1.000	-1.002			
DRIFT	3.	"D12 "	6.4245 6.4581 2.2733 2.2397	55.2346 1.7440 -16.9396 -0.5168	0.0000	0.0000	0.0000	0.0000
1047.396 FT		4.66600 FT						
		-49.0480 0.0000 1045.8832 FT	-88.200 0.000 0.000 MR					
		6.860 CM 2.264 MR 8.564 CM	2.743 MR 0.081 CM 2.000 PC	1.000	-1.002			
QUAD	5.	"018 "	6.7194 6.7766 2.0733 2.2397	52.8255 1.6705 -16.9396 -0.5168	0.0000	0.0000	0.0000	0.0000
1057.396 FT		10.00000 FT 3.55423 KG	2.54000 CM (104.32114 FT)					
		-49.9289 0.0000 1055.8443 FT	-88.200 0.000 0.000 MR					
		7.208 CM 0.022 MR 8.135 CM	0.097 MR 0.081 CM 2.000 PC	-0.141	-0.979			
		7.0164 7.1208 -0.1401 0.0003	50.1725 1.5925 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000	
DRIFT	3.		3.33000 FT					
1060.726 FT		-50.2222 0.0000 1059.1614 FT	-88.200 0.000 0.000 MR					
		7.207 CM 0.022 MR 8.125 CM	0.097 MR 0.081 CM 2.000 PC	-0.141	-0.979			
DRIFT	3.	"PM3 "	7.0022 7.1208 -0.1401 0.0003	50.1106 1.5925 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000
1060.726 FT		0.00000 FT						
		-50.2222 0.0000 1059.1614 FT	-88.200 0.000 0.000 MR					
		7.207 CM 0.022 MR 8.125 CM	0.097 MR 0.081 CM 2.000 PC	-0.141	-0.979			
DRIFT	3.	"K1 "	7.0022 7.1208 -0.1401 0.0003	50.1106 1.5925 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000
1113.726 FT		53.00000 FT						
		-54.8908 0.0000 1111.9554 FT	-88.200 0.000 0.000 MR					
		7.202 CM 0.022 MR 7.972 CM	0.097 MR 0.081 CM 2.000 PC	-0.136	-0.979			
		6.7758 7.1213 -0.1401 0.0003	49.1254 1.5935 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000	
DRIFT	3.		3.14100 FT					
1116.867 FT		-55.1675 0.0000 1115.0842 FT	-88.200 0.000 0.000 MR					
		7.202 CM 0.022 MR 7.963 CM	0.097 MR 0.081 CM 2.000 PC	-0.136	-0.979			
		6.7624 7.1213 -0.1401 0.0003	49.0670 1.5935 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000	
DRIFT	3.	"PK2 "	53.00000 FT					
1169.867 FT		-59.8360 0.0000 1167.8782 FT	-88.200 0.000 0.000 MR					
		7.197 CM 0.022 MR 7.810 CM	0.097 MR 0.081 CM 2.000 PC	-0.131	-0.978			
		6.5360 7.1218 -0.1401 0.0003	48.0819 1.5944 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000	
DRIFT	3.		3.43000 FT					
1173.297 FT		-60.1381 0.0000 1171.2948 FT	-88.200 0.000 0.000 MR					
		7.197 CM 0.022 MR 7.800 CM	0.097 MR 0.081 CM 2.000 PC	-0.131	-0.978			
		6.5213 7.1218 -0.1401 0.0003	48.0182 1.5945 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000	
DRIFT	3.	"PM4 "	0.00000 FT					
1173.297 FT		-60.1381 0.0000 1171.2948 FT	-88.200 0.000 0.000 MR					
		7.197 CM 0.022 MR 7.800 CM	0.097 MR 0.081 CM 2.000 PC	-0.131	-0.978			
		6.5213 7.1218 -0.1401 0.0003	48.0182 1.5945 -0.6098 0.0006	0.0000	0.0000	0.0000	0.0000	
DRIFT	3.		3.80000 FT					

1439.923 FT	"	0.6241	0.0000	1436.8844 FT	-88.200	0.000 MR	0.178	0.979	
		0.244 CM	0.0.662 MR	0.463 CM	1.680	MR	0.000	0.0000	
		-1.5357	0.0033	-0.7973	-0.6494	-2.9102	0.0028	-0.3338	
DRI FT	3.	"PMS "	0.00200 FT	-0.0000	1436.8844 FT	-88.200	0.000 MR	0.178	0.979
1439.923 FT		-83.6241	0.0000	1436.8844 FT	-88.200	0.000 MR	0.178	0.979	
		0.244 CM	0.0.662 MR	0.463 CM	1.680	MR	0.000	0.0000	
		-1.5357	0.0033	-0.7973	-0.6494	-2.9102	0.0028	-0.3338	
LENGTH		1439.92329 FT							

TTTTTTTTTTTTTTTT	FFFFFFFFFFFFFFFF	222222222	555555555555	000000000	WWW	WWY
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TTTT	FFF	222	555	000	000	WWW
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TTTT	FFF	222	5555555555	000	000000	WWW
TTTT	FFF	222	5555555555	000	000000	WWW
TTTT	FFFFFFFFFFFFF	222	555	000	000	WWW
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TTTT	FFF	2222222222222	5555555555	000000000	WWW	WWW

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0000000000000	AAA	AAA	TTT			
0000000000000	AAA	AAA	TTT			
0000000000000	AAA	AAA	TTT			
0000000000000	AAA	AAA	TTT			
0000000000000	AAA	AAA	TTT			
0000000000000	AAA	AAA	TTT			

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LPTSP1 VERSION 6(344) RUNNING ON LPT000
 START USER ECKI UND.S. [105,711] JOB TF250E SEQ. 26125 DATE 03-MAY-77 22:13:40 MONITOR FERMILAB 602,1 *START*
 REQUEST CREATED: 03-MAY-77 22:15:12
 FILE: DSKC0:TF250E.DAT[105,711] CREATED: 29-APR-77 12:57:00 <155> PRINTED: 03-MAY-77 22:16:29
 QUEUE SWITCHES: /PRINT|ARROW /FILE:FORT /COPIES:1 /SPACING:1 /LIMIT:532 /FORMS:NORMAL
 FILE WILL BE RENAMED TO <055> PROTECTION

TM-74
2833

2		"FTI"	"J0480"	
15.		"HMR"	"HMR"	
15.		0.05738	0.05738	
15.				
13.		19.00000	19.00000	
13.		3.00000	3.00000	
13.		6.00000	6.00000	
13.		12.00000	12.00000	
13.	"POFF"	18.00000	18.00000	
14.00		0.00000	0.00000	
14.02		19.00000	-3.00000	
3.0	"RF"	0.00000		
3.0	"R2"	8.50000		
3.0	"R3"	1.50000		
3.0	"R4"	8.50000		
3.0	"R5"	0.12000		
3.0	"RK0"	0.00000		
5.03	"R1"	10.00000	-7.56549	2.54000
3.0	"R2"	1.06300		
5.02	"R2"	1.00200	-7.56549	2.54000
3.0	"R3"	1.07200		
5.02	"R3"	1.00720	7.20000	2.54000
3.0	"R4"	1.32000		
2.0	"R4"	1.33367		
4.000	"R1"	10.25000	11.39147	0.00000
2.0	"R2"	1.33367		
4.002	"R2"	10.25000	11.39147	0.00000
2.0	"R3"	1.33367		
3.0	"R4"	10.00000	2.17238	2.54000
3.0	"R5"	1.07500		
5.00	"R5"	1.00300	2.17238	2.54000
3.0	"R6"	1.34400		
2.0	"R3"	1.33367		
4.023	"R5"	10.25000	11.39147	0.00000
2.0	"R6"	1.33367		
3.0	"R4"	1.20800		
2.0	"R4"	10.25000	11.39147	0.00000
4.000	"R5"	10.25000	11.39147	0.00000
2.0	"R6"	1.33367		
3.0		1.34000		
3.0		1.22200		
2.0		1.29100		
3.0	"R3H"	6.00030		
3.0		1.29200		
2.0		1.35800		
3.0		1.88016		
4.222	"R6"	19.91667	17.05637	0.00000

2.0		3.080161		
3.0		1.337001		
2.0		3.080161		
4.000	"R7 "	19.91667	17.05637	0.000001
2.0		3.080161		
3.0		1.342001		
2.0		3.080161		
4.000	"R8 "	19.91667	17.05637	0.000001
2.0		3.080161		
3.0		1.020001		
5.00	"n6 "	5.000001	2.000001	2.540001
3.0		1.599001		
3.0	"v1 "	2.500001		
3.0		1.419001		
3.0		0.229001		
3.0	"C4V "	6.000001		
3.0		0.229001		
3.0		2.403001		
5.00	"n7 "	10.00000	-1.27474	2.540001
3.0		2.625001		
3.0	"nIK1"	0.000001		
3.0		94.076001		
3.0	"nIK2"	0.022001		
3.0		7.260001		
3.0		0.115001		
3.0	"RS1 "	3.000001		
3.0		0.115001		
3.0		26.718001		
5.00	"n8 "	7.00000	-9.14955	2.540001
3.0		4.220001		
5.00	"n9 "	4.33300	9.14955	2.540001
3.0		1.410001		
5.00	"n10 "	4.33300	9.14955	2.540001
3.0		6.250001		
3.0	"v3 "	2.500001		
3.0		10.469001		
3.0		0.292001		
3.0	"C5H "	4.000001		
3.0		0.293001		
3.0		0.830001		
3.0		2.230001		
3.0	"n6V "	4.000001		
3.0		0.230001		
3.0		2.960001		
3.0	"iF "	0.000001		
3.0	"iF12"	-1.00000	2.00000	0.00000
3.0	"iF34"	-3.00000	4.00000	0.00000
3.0	"PM1 "	0.00000		
3.0	"iC1 "	0.00000		
3.0		3.515001		
3.0	"nIK3"	0.00000		
3.0		195.158001		
3.0	"nIK4"	0.00000		
3.0		5.010001		
3.0		0.230001		
3.0	"C7V "	4.00200		
3.0		0.230021		
3.0		1.50000		
3.0	"n7H "	2.500001		
3.0		1.500001		

3.0	"v5 "	2.500001			
3.0		2.490001			
2.0		4.572751			
4.000	"R9 "	19.91667	20.10081	0.000001	
2.0			4.572751		
3.0			1.290031		
2.0			4.572751		
4.000	"R10 "	19.91667	20.10081	0.000001	
2.0			4.572751		
3.0			1.310001		
2.0			4.572751		
4.000	"R11 "	19.91667	20.10081	0.000001	
2.0			4.572751		
3.0			1.360001		
2.0			4.572751		
4.000	"R12 "	19.91667	20.10081	0.000001	
2.0			4.572751		
3.0			3.010001		
5.00	"n11 "	10.00000	5.05987	2.540001	
3.0			1.500001		
5.00	"n12 "	10.00000	5.05987	2.540001	
3.0			1.500001		
5.00	"n13A"	5.00000	-4.91839	2.540001	
3.0			1.500001		
5.00	"n13 "	10.00000	-4.91839	2.540001	
3.0			1.500001		
5.00	"n14 "	10.00000	-4.91839	2.540001	
3.0			2.720001		
3.0	"n1k5"	0.00000			
3.0		72.20900			
3.0	"n1k6"	0.00000			
3.0		1.38000			
3.0	"?F "	0.00200			
-10.	"?F12"	-1.00000	2.00000	0.00000	0.000101
-10.	"?F34"	-3.00000	4.00000	0.00000	0.000101
3.0	"PM2 "	0.00200			
3.0		0.72000			
3.0	"R8H "	4.00000			
3.0		6.90000			
3.0	"IC2 "	0.00200			
3.0		1.00000			
2.0		0.00000			
4.000	"n13 "	20.00000	0.00000	0.000001	
2.0		0.00000			
-10.	"?F16"	-1.00000	6.00000	0.00000	0.000101
-10.	"?F26"	-2.00000	6.00000	0.00000	0.000101
3.0		6.81000			
3.0	"v6 "	2.50200			
3.0	"PAR"	06.45800			
5.00	"n15 "	10.00020	-4.26383	2.540001	
3.0	"n10 "	4.62000			
5.00	"n16 "	10.00000	-4.26383	2.540001	
3.0	"n11 "	1.54000			
5.00	"n17 "	10.00000	3.55423	2.540001	
3.0	"n12 "	4.66600			
5.00	"n18 "	10.00000	3.55423	2.540001	
3.0		3.33000			
3.0	"PM3 "	0.00000			
10.	"?F22"	-2.00000	2.00000	0.00000	0.000101
10.	"?F44"	-4.00000	4.00000	0.00000	0.000101

3.0	"K1 "	53.00000		
3.0		3.14100		
3.0	"K2 "	53.00000		
3.0		3.43000		
3.0	"PM4 "	0.00000		
3.0		3.80000		
5.00	"n19 "	10.00000	2.82723	2.54000
3.0		4.71000		
5.00	"n20 "	10.00000	2.82723	2.54000
3.0		1.43700		
5.00	"n21 "	10.00000	-3.16247	2.54000
3.0		4.74000		
5.00	"n22 "	10.00000	-3.16247	2.54000
3.0		2.18000		
3.0	"v7 "	2.50000		
3.0		1.40000		
3.0	"v8 "	2.50000		
3.0		6.26000		
3.0	"K3 "	94.79600		
3.0		102.30300		
3.0	"3F "	0.00000		
-10.	"3FI2"	-1.00000	2.00000	0.00000
-10.	"3F34"	-3.00000	4.00000	0.00000
3.0	"PM5 "	0.00000		0.00010

SENTINEL

	R11	R12	R21	R22	R33	R34	R43	R44	R16	R26
BEAM	1.	400.00000 GEV								
	0.000 FT	0.0000 0.0000 0.0000 FT	0.0000 0.0000 0.0000 MR	0.0000 0.0000 0.0000 CM	0.0000 0.0000 0.0000 PC	0.0000 0.0000 0.0000 PC	0.0000 0.0000 2.0000 PC	0.0000 0.0000 2.0000 PC	0.0000 0.0000 0.0000 PC	0.0000 0.0000 0.0000 PC
THETA2	16.	19. -0.30000E+01	0.159 CM 1.002 MR 0.159 CM	1.000 MR 0.000 CM	1.000 MR 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	"OF."	0.00000 FT	0.0000 0.0000 0.0000 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	16.5000 FT	-0.0495 0.0000 16.4999 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	25.000 FT	-0.0750 0.0000 24.9999 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	26.500 FT	-0.0795 0.0000 26.4999 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	35.000 FT	-0.1050 0.0000 34.9998 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	45.000 FT	-0.1350 0.0000 44.9998 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	45.100 FT	-0.1353 0.0000 45.0998 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	45.100 FT	-0.1353 0.0000 45.0998 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	51.400 FT	-0.1542 0.0000 51.3998 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
QUAN	5.	"Q1"	10.00000 FT -7.56549 KG	2.54000 CM (-46.59036 FT)	1.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000
QUAN	5.	"Q2"	10.00000 FT -7.56549 KG	2.54000 CM (-46.59036 FT)	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000	0.00000 0.0000 0.0000
DRIFT	3.	62.463 FT	-0.1874 0.0000 62.4627 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
DRIFT	3.	72.463 FT	-0.2174 0.0000 72.4627 FT	-3.000 0.000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000

45

TM
W3
J43

73.535 FT

DRIFT 3. 0.0000 73.5347 FT * -3.000 0.000 0.000 MR
3.17 CM 3.942 MR 1.4 CM 1.247 MR 0.000 CM 2.000 PC 1.0 0.996
1.5209 3.1678 1.5730 3.9359 1.4452 1.1664 -1.2333 0.0000 0.0220
10.00000 FT 7.20000 KG 2.54000 CM 52.37108 FT 0.00000 0.00000
QUAN 5. 0.0000 83.5346 FT -3.000 0.000 0.000 MR
0.2506 0.0000 83.5346 FT 0.416 MR 0.000 CM 2.000 PC 1.000 -0.946
4.031 CM 1.569 MR 1.202 CM 0.2443 1.2017 -0.914 -0.00000 0.00000
1.6371 4.0203 0.4676 1.5675 0.2443 1.2017 -0.914 -0.00000 0.00000

ROTAT 3. 1.32000 FT -2.2546 0.0000 84.8546 FT -3.000 0.000 0.000 MR
0.094 CM 0.1.569 MR 1.186 CM 0.416 MR 0.000 CM 2.000 PC 1.000 -0.947
1.8559 4.0833 0.4676 1.5675 0.2077 1.1860 -0.915 -0.00000 0.00000
BEND 4. "81 1.25000 FT 0.0833 0.4676 1.5676 0.00020 1.1860 -0.915 -0.00000 0.00000
95.105 FT -0.2900 0.0000 95.1045 FT -5.667 0.000 0.000 MR
4.584 CM 5.1570 MR 1.064 CM 0.416 MR 0.012 CM 2.000 PC 0.999 -0.933
2.0200 4.5731 0.4675 1.5675 0.0771 1.0641 -0.915 -0.0242 0.0267

ROTAT 2. 1.33367 MR -0.2546 0.0000 84.8546 FT -3.000 0.000 0.000 MR
4.094 CM 0.1.569 MR 1.186 CM 0.416 MR 0.000 CM 2.000 PC 1.000 -0.947
1.8559 4.0833 0.4676 1.5675 0.2077 1.1860 -0.915 -0.00000 0.00000
DRIFT 3. 2.0200 4.5731 0.4676 1.5675 0.0771 1.0641 -0.915 -0.0242 0.0267
96.345 FT -1.24000 FT 0.0000 96.3445 FT -5.667 0.000 0.000 MR
4.643 CM 1.570 MR 1.050 CM 0.416 MR 0.012 CM 2.000 PC 0.999 -0.931
2.0196 4.6323 0.4676 1.5675 0.1115 1.0494 -0.914 -0.0252 0.0267

ROTAT 2. 1.33367 MR -0.3060 0.0000 96.3445 FT -5.667 0.000 0.000 MR
4.643 CM 1.570 MR 1.050 CM 0.416 MR 0.012 CM 2.000 PC 0.999 -0.931
2.0196 4.6323 0.4676 1.5675 0.1115 1.0494 -0.914 -0.0252 0.0267
96.345 FT -0.3060 0.0000 96.3445 FT -5.667 0.000 0.000 MR
4.643 CM 1.570 MR 1.050 CM 0.416 MR 0.012 CM 2.000 PC 0.999 -0.931
2.0196 4.6323 0.4676 1.5675 0.1115 1.0494 -0.914 -0.0252 0.0267

BEND 4. "82 10.25000 FT 11.39147 KG 0.0000 96.5942 FT -8.335 0.000 0.000 MR
0.3778 0.0000 106.5942 FT 0.930 CM 0.416 MR 0.025 CM 2.000 PC 0.998 -0.912
5.134 CM 1.573 MR 1.050 CM 0.416 MR 0.025 CM 2.000 PC 0.998 -0.912
2.1657 5.1220 0.4675 1.5675 0.3963 0.9275 -0.914 -0.0177 0.0533

ROTAT 2. 1.33367 MR -0.3778 0.0000 106.5942 FT -8.335 0.000 0.000 MR
5.134 CM 1.573 MR 0.930 CM 0.416 MR 0.025 CM 2.000 PC 0.998 -0.912
2.1657 5.1220 0.4676 1.5675 0.3963 0.9275 -0.914 -0.0177 0.0533
106.595 FT -1.32500 FT 0.0000 107.9192 FT -8.335 0.000 0.000 MR
5.197 CM 1.573 MR 0.914 CM 0.416 MR 0.025 CM 2.000 PC 0.998 -0.909
2.1846 5.1854 0.4676 1.5675 0.4331 0.9117 -0.914 -0.0198 0.0533
QUAN 5. "04 10.00000 FT 2.17238 KG 2.54000 CM 1.169.59996 FT)
117.920 FT -0.4722 0.0000 117.9189 FT -8.335 0.000 0.000 MR
5.517 CM 0.0527 MR 0.827 CM 0.275 MR 0.025 CM 2.000 PC 0.984 -0.716
2.2610 5.5048 0.0311 0.5180 -0.7266 0.8189 -1.0242 -0.2219 . 0.0353 0.0479

DRIFT 3. 1.07500 FT -0.4811 0.0000 118.9938 FT -8.335 0.000 0.000 MR
5.534 CM 0.0527 MR 0.821 CM 0.275 MR 0.025 CM 2.000 PC 0.984 -0.712
2.2620 5.5218 0.0311 0.5180 -0.7602 0.8116 -1.0242 -0.2219 . 0.0369 0.0479
QUAN 5. "05 10.00000 FT 2.17238 KG 2.54000 CM 1.169.59996 FT)
128.995 FT -0.5645 0.0000 128.9935 FT -8.335 0.000 0.000 MR
5.527 CM 0.0575 MR 0.787 CM 0.203 MR 0.025 CM 2.000 PC 0.987 -0.119
2.2044 5.5145 0.0474 0.5655 -1.02982 0.7676 -1.2048 -0.0684 -0.0503 0.2394

DRIFT 3. 1.34400 FT -0.5757 0.0000 130.3374 FT -8.335 0.000 0.000 MR
5.503 CM 0.0575 MR 0.786 CM 0.203 MR 0.025 CM 2.000 PC -0.987 -0.129
2.1877 5.4913 -0.4074 -0.5655 -1.1476 0.7648 -1.2048 -0.0684 -0.0519 0.2394
ROTAT 2. 1.33367 MR

TM-743
130.339 FT -0.5757 0.0000 130.3374 FT -8.335 0.000 0.000 MR
5.503 CM 0.0575 MR 0.786 CM 0.203 MR 0.025 CM 2.000 PC -0.987 -0.129
2.1877 5.4913 -0.4074 -0.5655 -1.1476 0.7648 -1.2048 -0.0684 -0.0519 0.2394

172.800 FT		-1.1366 0.0000 172.7946 FT	-16.337 0.000 0.000 MR				
		4.778 CM 0.617 MR 0.802	0.203 MR 0.066 CM 2.000 PC	-0.89	0.222		
		1.6604 4.7594 -0.4074 -0.5655	-2.7068 0.6762 -1.2047 -0.0685	0.1660	0.1194		
•ROTAT•	2.	3.88016 MR					
172.800 FT		-1.1366 0.0000 172.7946 FT	-16.337 0.000 0.000 MR				
		4.778 CM 0.617 MR 0.802 CM	0.203 MR 0.066 CM 2.000 PC	-0.891	0.221		
		1.6604 4.7594 -0.4073 -0.5653	-2.7068 0.6762 -1.2046 -0.0685	0.1660	0.1194		
•BEND•	4.	"R6 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)			
192.717 FT		-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR				
		4.453 CM 0.692 MR 0.838 CM	0.203 MR 0.102 CM 2.000 PC	-0.748	0.359		
		1.4131 4.4161 -0.4075 -0.5657	-3.4381 0.6346 -1.2046 -0.0685	0.2620	0.1970		
•ROTAT•	2.	3.88016 MR					
192.717 FT		-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR				
		4.453 CM 0.692 MR 0.838 CM	0.203 MR 0.102 CM 2.000 PC	-0.748	0.359		
		1.4131 4.4161 -0.4074 -0.5655	-3.4381 0.6346 -1.2044 -0.0685	0.2620	0.1970		
•DRIFT•	3.	1.33700 FT					
194.054 FT		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR				
		4.432 CM 0.692 MR 0.841 CM	0.203 MR 0.102 CM 2.000 PC	-0.745	0.368		
		1.3965 4.3931 -0.4074 -0.5655	-3.4871 0.6318 -1.2044 -0.0685	0.2700	0.1970		
•ROTAT•	2.	3.88016 MR					
194.054 FT		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR				
		4.432 CM 0.692 MR 0.841 CM	0.203 MR 0.102 CM 2.000 PC	-0.745	0.368		
		1.3965 4.3931 -0.4073 -0.5653	-3.4871 0.6318 -1.2042 -0.0686	0.2700	0.1970		
•BEND•	4.	"R7 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)			
213.970 FT		-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR				
		4.137 CM 0.791 MR 0.893 CM	0.203 MR 0.135 CM 2.000 PC	-0.565	0.484		
		1.1492 4.0498 -0.4075 -0.5657	-4.2182 0.5902 -1.2042 -0.0686	0.4132	0.2746		
•ROTAT•	2.	3.88016 MR					
213.970 FT		-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR				
		4.137 CM 0.791 MR 0.893 CM	0.203 MR 0.135 CM 2.000 PC	-0.565	0.484		
		1.1492 4.0498 -0.4074 -0.5655	-4.2182 0.5902 -1.2040 -0.0686	0.4132	0.2746		
•DRIFT•	3.	1.34200 FT					
215.312 FT		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR				
		4.119 CM 0.791 MR 0.897 CM	0.203 MR 0.135 CM 2.000 PC	-0.559	0.491		
		1.1325 4.0267 -0.4074 -0.5655	-4.2674 0.5874 -1.2040 -0.0686	0.4244	0.2746		
•ROTAT•	2.	3.88016 MR					
215.312 FT		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR				
		4.119 CM 0.791 MR 0.897 CM	0.203 MR 0.135 CM 2.000 PC	-0.559	0.491		
		1.1325 4.0267 -0.4073 -0.5653	-4.2674 0.5874 -1.2038 -0.0686	0.4244	0.2746		
•BEND•	4.	"R8 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)			
235.229 FT		-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR				
		3.886 CM 0.906 MR 0.964 CM	0.203 MR 0.166 CM 2.000 PC	-0.349	0.585		
		0.8852 3.6834 -0.4074 -0.5657	-4.9982 0.5457 -1.2038 -0.0686	0.6146	0.3522		
•ROTAT•	2.	3.88016 MR					
235.229 FT		-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR				
		3.886 CM 0.906 MR 0.964 CM	0.203 MR 0.166 CM 2.000 PC	-0.348	0.585		
		0.8852 3.6834 -0.4074 -0.5655	-4.9982 0.5457 -1.2036 -0.0687	0.6146	0.3522		
•DRIFT•	3.	1.82000 FT					
237.249 FT		-2.9550 0.0000 237.0163 FT	-39.618 0.000 0.000 MR				
		3.868 CM 0.906 MR 0.971 CM	0.203 MR 0.166 CM 2.000 PC	-0.337	0.592		
		0.8626 3.6520 -0.4074 -0.5655	-5.0650 0.5419 -1.2036 -0.0687	0.6342	0.3522		
•QUAD•	5.	"06 "	5.00000 FT 2.00000 KG	2.54000 CM (365.62426 FT)			
242.249 FT		-3.1531 0.0000 242.0124 FT	-39.618 0.000 0.000 MR				
		3.798 CM 1.068 MR 0.996 CM	0.266 MR 0.166 CM 2.000 PC	-0.582	0.800		
		0.7948 3.5410 -0.4820 -0.8893	-5.2836 0.5351 -1.6684 -0.0203	0.6834	0.2929		
•DRIFT•	3.	1.59900 FT					
243.648 FT		-3.2164 0.0000 243.6102 FT	-39.618 0.000 0.000 MR				
		3.768 CM 1.068 MR 1.006 CM	0.266 MR 0.166 CM 2.000 PC	-0.572	0.805		
		0.7713 3.4977 -0.4820 -0.8893	-5.3649 0.5342 -1.6684 -0.0203	0.6977	0.2929		
•DRIFT•	3.	2.50000 FT					

400.337 FT	-9.4224	0.0000	400.1762 FT	-39.618	0.000	0.000 MR			
	5.084 CM	0.955 MR	1.649 CM	0.171 MR	0.166 CM	2.000 PC	0.73	0.827	
QUAD	-1.2812	0.7235	-0.4232	-0.542	-10.3084	0.1848	-0.9538	-0.0799	2.5142 0.3916
407.337 FT	5.	"08 "	7.00000 FT	-9.14955 KG	2.54000 CM	(-55.80652 FT)			
	-9.6997	0.0000	407.1707 FT	-39.618	0.000	0.000 MR			
	5.554 CM	3.796 MR	1.579 CM	0.803 MR	0.166 CM	2.000 PC	0.988	-0.992	
DRIFT	-1.4529	0.6505	-1.2027	-0.1498	-9.8808	0.1568	4.9213	-0.1793	2.7556 1.8940
411.557 FT	3.		4.22000 FT						
	-9.8668	0.0000	411.3874 FT	-39.618	0.000	0.000 MR			
	6.037 CM	3.796 MR	1.476 CM	0.803 MR	0.166 CM	2.000 PC	0.990	-0.991	
QUAD	-1.6076	0.6313	-1.2027	-0.1498	-9.2478	0.1338	4.9213	-0.1793	2.9992 1.8940
415.890 FT	5.	"09 "	4.33300 FT	9.14955 KG	2.54000 CM	(92.74017 FT)			
	-10.0384	0.0000	415.7170 FT	-39.618	0.000	0.000 MR			
	6.388 CM	1.623 MR	1.406 CM	0.304 MR	0.166 CM	2.000 PC	0.948	-0.928	
DRIFT	-1.7275	0.5968	-0.6057	-0.3696	-8.8113	0.1131	1.7143	-0.1355	3.1770 0.7886
417.300 FT	3.		1.41000 FT						
	-10.0943	0.0000	417.1259 FT	-39.618	0.000	0.000 MR			
	6.454 CM	1.623 MR	1.393 CM	0.304 MR	0.166 CM	2.000 PC	0.949	-0.927	
QUAD	-1.7535	0.5809	-0.6057	-0.3696	-8.7376	0.1072	1.7143	-0.1355	3.2109 0.7886
421.633 FT	5.	"010 "	4.33300 FT	9.14955 KG	2.54000 CM	(92.74017 FT)			
	-10.2659	0.0000	421.4555 FT	-39.618	0.000	0.000 MR			
	6.505 CM	0.925 MR	1.389 CM	0.242 MR	0.166 CM	2.000 PC	-0.836	0.881	
DRIFT	-1.7918	0.5189	0.0288	-0.5664	-8.7160	0.0917	-1.3852	-0.1002	3.2389 -0.3658
427.883 FT	3.		6.25000 FT						
	-10.5134	0.0000	427.7006 FT	-39.618	0.000	0.000 MR			
	6.356 CM	0.925 MR	1.430 CM	0.242 MR	0.166 CM	2.000 PC	-0.828	0.888	
DRIFT	-1.7863	0.4110	0.0288	-0.5664	-8.9799	0.0727	-1.3852	-0.1002	3.1693 -0.3658
430.383 FT	3.	"V3 "	2.50000 FT						
	-10.6125	0.0000	430.1986 FT	-39.618	0.000	0.000 MR			
	6.300 CM	0.925 MR	1.446 CM	0.242 MR	0.166 CM	2.000 PC	-0.825	0.891	
DRIFT	-1.7841	0.3678	0.0288	-0.5664	-9.0854	0.0650	-1.3852	-0.1002	3.1414 -0.3658
440.852 FT	3.		10.46900 FT						
	-11.0271	0.0000	440.6594 FT	-39.618	0.000	0.000 MR			
	6.059 CM	0.925 MR	1.515 CM	0.242 MR	0.166 CM	2.000 PC	-0.809	0.901	
DRIFT	-1.7749	0.1671	0.0288	-0.5664	-9.5274	0.0331	-1.3852	-0.1002	3.0247 -0.3658
441.144 FT	3.		0.29200 FT						
	-11.0387	0.0000	440.9512 FT	-39.618	0.000	0.000 MR			
	6.052 CM	0.925 MR	1.517 CM	0.242 MR	0.166 CM	2.000 PC	-0.808	0.901	
DRIFT	-1.7746	0.1820	0.0288	-0.5664	-9.5398	0.0322	-1.3852	-0.1002	3.0214 -0.3658
445.144 FT	3.	"C5H "	4.00000 FT						
	-11.1971	0.0000	444.9481 FT	-39.618	0.000	0.000 MR			
	5.961 CM	0.925 MR	1.544 CM	0.242 MR	0.166 CM	2.000 PC	-2.822	0.925	
DRIFT	-1.7711	0.1130	0.0288	-0.5664	-9.7087	0.0200	-1.3852	-0.1002	2.9768 -0.3658
445.437 FT	3.		0.29300 FT						
	-11.2087	0.0000	445.2408 FT	-39.618	0.000	0.000 MR			
	5.955 CM	0.925 MR	1.546 CM	0.242 MR	0.166 CM	2.000 PC	-0.801	0.925	
DRIFT	-1.7709	0.1079	0.0288	-0.5664	-9.7210	0.0191	-1.3852	-0.1002	2.9735 -0.3658
446.267 FT	3.		0.83000 FT						
	-11.2416	0.0000	446.0702 FT	-39.618	0.000	0.000 MR			
	5.936 CM	0.925 MR	1.551 CM	0.242 MR	0.166 CM	2.000 PC	-0.800	0.926	
DRIFT	-1.7702	0.0936	0.0288	-0.5664	-9.7561	0.0165	-1.3852	-0.1002	2.9643 -0.3658
446.497 FT	3.		0.23000 FT						
	-11.2507	0.0000	446.3000 FT	-39.618	0.000	0.000 MR			
	5.931 CM	0.925 MR	1.553 CM	0.242 MR	0.166 CM	2.000 PC	-0.799	0.926	
DRIFT	-1.7699	0.0896	0.0288	-0.5664	-9.7658	0.0158	-1.3852	-0.1002	2.9617 -0.3658
450.497 FT	3.	"C6V "	4.00000 FT						
	-11.4091	0.0000	450.2969 FT	-39.618	0.000	0.000 MR			
	5.841 CM	0.925 MR	1.580 CM	0.242 MR	0.166 CM	2.000 PC	-0.792	0.929	
DRIFT	-1.7664	0.0205	0.0288	-0.5664	-9.9347	0.0036	-1.3852	-0.1002	2.9171 -0.3658
450.497 FT	3.		0.23000 FT						

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450.727 FT		-11.4182 0.0000 450.5267 FT	-39.618 0.000 0.000 MR				
		5.836 CM 0.925 MR 1.581 CM	0.242 MR 0.166 CM 2.000 PC	-0.792	0.913		
		-1.7662 0.0166 0.0288 -0.5664	-9.9444 0.0029 -1.3852 -0.1002	2.9145	-0.3658		
DRIFT	3.	0.96000 FT					
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR				
		5.814 CM 0.925 MR 1.588 CM	0.242 MR 0.166 CM 2.000 PC	-0.790	0.910		
		-1.7654 -0.0200 0.0288 -0.5664	-9.9849 0.0020 -1.3852 -0.1002	2.9038	-0.3658		
DRIFT	3.	"1F "	0.00000 FT				
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR				
		5.814 CM 0.925 MR 1.588 CM	0.242 MR 0.166 CM 2.000 PC	-0.790	0.910		
		-1.7654 -0.0000 0.0288 -0.5664	-9.9849 0.0000 -1.3852 -0.1002	2.9038	-0.3658		
DRIFT	3.	"PM1 "	0.00000 FT				
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR				
		5.814 CM 0.925 MR 1.588 CM	0.242 MR 0.166 CM 2.000 PC	-0.790	0.910		
		-1.7654 -0.0000 0.0288 -0.5664	-9.9849 0.0000 -1.3852 -0.1002	2.9038	-0.3658		
DRIFT	3.	"LC1 "	0.00000 FT				
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR				
		5.814 CM 0.925 MR 1.588 CM	0.242 MR 0.166 CM 2.000 PC	-0.790	0.910		
		-1.7654 -0.0000 0.0288 -0.5664	-9.9849 0.0000 -1.3852 -0.1002	2.9038	-0.3658		
DRIFT	3.	3.51500 FT					
455.202 FT		-11.5955 0.0000 454.9982 FT	-39.618 0.000 0.000 MR				
		5.736 CM 0.925 MR 1.611 CM	0.242 MR 0.166 CM 2.000 PC	-0.783	0.913		
		-1.7623 -0.0607 0.0288 -0.5664	-10.1333 -0.0107 -1.3852 -0.1002	2.8646	-0.3658		
DRIFT	3.	"DIK3"	0.00000 FT				
455.202 FT		-11.5955 0.0000 454.9982 FT	-39.618 0.000 0.000 MR				
		5.736 CM 0.925 MR 1.611 CM	0.242 MR 0.166 CM 2.000 PC	-0.783	0.913		
		-1.7623 -0.0607 0.0288 -0.5664	-10.1333 -0.0107 -1.3852 -0.1002	2.8646	-0.3658		
DRIFT	3.	195.15800 FT					
650.360 FT		-19.3252 0.0000 650.0030 FT	-39.618 0.003 0.000 MR				
		3.705 CM 0.925 MR 2.984 CM	0.242 MR 0.166 CM 2.000 PC	0.273	0.975	15	
		-1.5910 -3.4301 0.0288 -0.5664	-18.3730 -0.6065 -1.3852 -0.1002	0.6886	-0.3658		
DRIFT	3.	"DIK4"	0.00000 FT				
650.360 FT		-19.3252 0.0000 650.0030 FT	-39.618 0.000 0.000 MR				
		3.705 CM 0.925 MR 2.984 CM	0.242 MR 0.166 CM 2.000 PC	0.273	0.975		
		-1.5910 -3.4301 0.0288 -0.5664	-18.3730 -0.6065 -1.3852 -0.1002	0.6886	-0.3658		
DRIFT	3.	5.01000 FT					
655.370 FT		-19.5236 0.0000 655.0091 FT	-39.618 0.000 0.000 MR				
		3.746 CM 0.925 MR 3.020 CM	0.242 MR 0.166 CM 2.000 PC	0.307	0.976		
		-1.5866 -3.5166 0.0288 -0.5664	-18.5846 -0.6218 -1.3852 -0.1002	0.6327	-0.3658		
DRIFT	3.	0.23000 FT					
655.600 FT		-19.5327 0.0000 655.2389 FT	-39.618 0.000 0.000 MR				
		3.748 CM 0.925 MR 3.021 CM	0.242 MR 0.166 CM 2.000 PC	0.309	0.976		
		-1.5864 -3.5206 0.0288 -0.5664	-18.5943 -0.6225 -1.3852 -0.1002	0.6302	-0.3658		
DRIFT	3.	"C7V "	4.00000 FT				
659.600 FT		-19.6911 0.0000 659.2358 FT	-39.618 0.000 0.000 MR				
		3.784 CM 0.925 MR 3.050 CM	0.242 MR 0.166 CM 2.000 PC	0.336	0.977		
		-1.5829 -3.5897 0.0288 -0.5664	-18.7632 -0.6347 -1.3852 -0.1002	0.5856	-0.3658		
DRIFT	3.	0.23000 FT					
659.830 FT		-19.7002 0.0000 659.4656 FT	-39.618 0.000 0.000 MR				
		3.786 CM 0.925 MR 3.052 CM	0.242 MR 0.166 CM 2.000 PC	0.337	0.977	1	
		-1.5826 -3.5936 0.0288 -0.5664	-18.7729 -0.6354 -1.3852 -0.1002	0.5830	-0.3658		
DRIFT	3.	1.58000 FT					
661.330 FT		-19.7597 0.0000 660.9644 FT	-39.618 0.000 0.000 MR				
		3.801 CM 0.925 MR 3.063 CM	0.242 MR 0.166 CM 2.000 PC	0.347	0.977		
		-1.5813 -3.6195 0.0288 -0.5664	-18.8362 -0.6400 -1.3852 -0.1002	0.5663	-0.3658		
DRIFT	3.	2.50000 FT					
663.830 FT		-19.8587 0.0000 663.4625 FT	-39.618 0.000 0.000 MR				
		3.826 CM 0.925 MR 3.081 CM	0.242 MR 0.166 CM 2.000 PC	0.363	0.977		
		-1.5791 -3.6627 0.0288 -0.5664	-18.9418 -0.6476 -1.3852 -0.1002	0.5364	-0.3658		
DRIFT	3.	1.50000 FT					

665.330

-19.7101	0.0000	664.9613	F	-39.618	0.000	0.000	MR	0.3	0.977
3.842 CM	0.925	MR	3.01	M	0.242	MR	0.166	CM	2.000 PC
1.5778 -3.6886	0.0288	-0.5664	-19.0051	-0.6522	-1.3852	-0.1002	0.5217	-0.3658	
DRIFT*	3.	IV5.							
667.830 FT		2.50000 FT							
-20.0171	0.0000	667.4593	FT	-39.618	0.000	0.000	MR	0.3	0.977
3.868 CM	0.925	MR	3.109	CM	0.242	MR	0.166	CM	2.000 PC
-1.5756 -3.7318	0.0288	-0.5664	-19.1106	-0.6598	-1.3852	-0.1002	0.4938	-0.3658	
DRIFT*	3.	IV5.							
670.300 FT		2.49000 FT							
-20.1157	0.0000	669.9474	FT	-39.618	0.000	0.000	MR	0.3	0.977
3.896 CM	0.925	MR	3.127	CM	0.242	MR	0.166	CM	2.000 PC
-1.5734 -3.7748	0.0287	-0.5667	-19.2158	-0.6674	-1.3852	-0.1002	0.4660	-0.3658	
BEND*	4.	IR9	"	19.91667 FT	20.10081 KG	0.00000	(2177.761 FT	-9.145 MR)	
690.237 FT		20.9956	0.0000	689.8445	FT	-48.763	0.000	0.000	MR
4.162 CM	0.788	MR	3.271	CM	0.242	MR	0.131	CM	2.000 PC
-1.5560 -4.1186	0.0289	-0.5662	-20.0559	-0.7282	-1.3839	-0.1001	0.619	0.980	
ROTAT*	2.	IV5.							
690.237 FT		4.57275 MR							
-20.1157	0.0000	669.9474	FT	-39.618	0.000	0.000	MR	0.3	0.977
3.896 CM	0.925	MR	3.127	CM	0.242	MR	0.166	CM	2.000 PC
-1.5734 -3.7748	0.0287	-0.5667	-19.2158	-0.6674	-1.3839	-0.1001	0.4660	-0.3658	
DRIFT*	3.	IR9	"	19.91667 FT	20.10081 KG	0.00000	(2177.761 FT	-9.145 MR)	
691.527 FT		21.0584	0.0000	691.1330	FT	-48.763	0.000	0.000	MR
4.181 CM	0.789	MR	3.280	CM	0.242	MR	0.131	CM	2.000 PC
-1.5548 -4.1409	0.0288	-0.5664	-20.1102	-0.7321	-1.3825	-0.1001	0.624	0.980	
ROTAT*	2.	IV5.							
691.527 FT		4.57275 MR							
-21.0584	0.0000	689.8445	FT	-48.763	0.000	0.000	MR	0.3	0.980
4.162 CM	0.789	MR	3.271	CM	0.242	MR	0.131	CM	2.000 PC
-1.5560 -4.1186	0.0288	-0.5664	-20.0559	-0.7282	-1.3825	-0.1001	0.620	0.980	
DRIFT*	3.	IR9	"	1.29002 FT					
691.527 FT		21.0584	0.0000	691.1330	FT	-48.763	0.000	0.000	MR
4.181 CM	0.789	MR	3.280	CM	0.242	MR	0.131	CM	2.000 PC
-1.5548 -4.1409	0.0288	-0.5664	-20.1102	-0.7321	-1.3825	-0.1001	0.624	0.980	
ROTAT*	2.	IV5.							
691.527 FT		4.57275 MR							
-21.0584	0.0000	691.1330	FT	-48.763	0.000	0.000	MR	0.3	0.980
4.181 CM	0.789	MR	3.280	CM	0.241	MR	0.131	CM	2.000 PC
-1.5548 -4.1409	0.0287	-0.5667	-20.1102	-0.7321	-1.3811	-0.1000	0.624	0.980	
BEND*	4.	IR10	"	19.91667 FT	20.10081 KG	0.00000	(2177.761 FT	-9.145 MR)	
711.443 FT		-22.1202	0.0000	711.0213	FT	-57.909	0.000	0.000	MR
4.498 CM	0.674	MR	3.424	CM	0.241	MR	0.093	CM	2.000 PC
-1.5373 -4.4848	0.0289	-0.5661	-20.9486	-0.7928	-1.3611	-0.1000	0.828	0.981	
ROTAT*	2.	IV5.							
711.443 FT		4.57275 MR							
-22.1202	0.0000	711.0213	FT	-57.909	0.000	0.000	MR	0.3	0.981
4.498 CM	0.674	MR	3.424	CM	0.241	MR	0.093	CM	2.000 PC
-1.5373 -4.4848	0.0288	-0.5664	-20.9486	-0.7928	-1.3611	-0.1000	0.828	0.981	
DRIFT*	3.	IR10	"	1.31000 FT					
712.753 FT		-22.1960	0.0000	712.3291	FT	-57.909	0.000	0.000	MR
4.520 CM	0.674	MR	3.433	CM	0.241	MR	0.093	CM	2.000 PC
-1.5362 -4.5074	0.0287	-0.5668	-21.0037	-0.7968	-1.3797	-0.1000	0.810	0.981	
ROTAT*	2.	IV5.							
712.753 FT		4.57275 MR							
-22.1960	0.0000	712.3291	FT	-57.909	0.000	0.000	MR	0.3	0.981
4.520 CM	0.674	MR	3.433	CM	0.241	MR	0.093	CM	2.000 PC
-1.5362 -4.5074	0.0288	-0.5664	-21.0037	-0.7968	-1.3797	-0.1000	0.810	0.981	
BEND*	4.	IR11	"	19.91667 FT	20.10081 KG	0.00000	(2177.761 FT	-9.145 MR)	
732.670 FT		-23.4396	0.0000	732.2068	FT	-67.054	0.000	0.000	MR
4.858 CM	0.595	MR	3.577	CM	0.241	MR	0.055	CM	2.000 PC
-1.5187 -4.8512	0.0289	-0.5661	-21.8404	-0.8574	-1.3782	-0.1000	0.946	0.983	
ROTAT*	2.	IV5.							
732.670 FT		4.57275 MR							
-23.4396	0.0000	732.2068	FT	-67.054	0.000	0.000	MR	0.3	0.983
4.858 CM	0.595	MR	3.577	CM	0.241	MR	0.055	CM	2.000 PC
-1.5187 -4.8512	0.0288	-0.5664	-21.8404	-0.8574	-1.3767	-0.1000	0.946	0.983	
DRIFT*	3.	IV5.							
734.030 FT		23.4396	0.0000	733.5637	FT	-67.054	0.000	0.000	MR
4.881 CM	0.595	MR	3.587	CM	0.241	MR	0.055	CM	2.000 PC
-1.5175 -4.8747	0.0288	-0.5664	-21.8404	-0.8574	-1.3767	-0.1000	0.946	0.983	
ROTAT*	2.	IV5.							

734.030 FT	-23.5308	0.0000	733.5637 FT	-67.054	0.000	0.000 MR				
	4.881 CM	0.596 MR	3.387 CM	0.240 MR	0.055 CM	2.000 PC	0.947	0.983		
	-1.5175	-4.8747	0.0287	-0.5668	-21.8975	-0.8616	-1.3752	-0.0998	0.0278	-0.0915
BEND	4.	"812"	19.91667 FT	20.10081 KG	0.00000	(2177.761 FT	, 9.145 MR)			
753.947 FT	-24.9561	0.0000	753.4293 FT	-76.200	0.000	0.000 MR				
	5.224 CM	0.566 MR	3.730 CM	0.240 MR	0.029 CM	2.000 PC	0.999	0.984		
	-1.5000	-5.2186	0.0289	-0.5661	-22.7323	-0.9222	-1.3736	-0.0998	-0.0000	-0.0000
ROTAT	2.		4.57275 MR							
753.947 FT	-24.9561	0.0000	753.4293 FT	-76.200	0.000	0.000 MR				
	5.224 CM	0.566 MR	3.730 CM	0.240 MR	0.029 CM	2.000 PC	0.999	0.984		
	-1.5000	-5.2186	0.0288	-0.5664	-22.7323	-0.9222	-1.3736	-0.0997	-0.0000	-0.0000
DRIFT	3.		3.01000 FT							
756.957 FT	-25.1852	0.0000	756.4305 FT	-76.200	0.000	0.000 MR				
	5.276 CM	0.566 MR	3.752 CM	0.240 MR	0.029 CM	2.000 PC	0.999	0.984		
	-1.4974	-5.2705	0.0288	-0.5664	-22.8583	-0.9313	-1.3736	-0.0997	-0.0000	-0.0000
QUAD	5.	"011"	10.00000 FT	5.05987 KG	2.54000 CM	(73.78869 FT)				
766.957 FT	-25.9465	0.0000	766.4015 FT	-76.200	0.000	0.000 MR				
	5.083 CM	1.819 MR	4.089 CM	2.001 MR	0.029 CM	2.000 PC	-1.000	1.000		
	-1.3861	-5.0779	0.6926	1.8158	-24.8904	-1.0277	-12.1144	-0.5404	-0.0000	0.0000
DRIFT	3.		1.50000 FT							
768.457 FT	-26.0607	0.0000	767.8972 FT	-76.200	0.000	0.000 MR				
	5.000 CM	1.819 MR	4.180 CM	2.001 MR	0.029 CM	2.000 PC	-1.000	1.000		
	-1.3545	-4.9949	0.6926	1.8158	-25.4443	-1.0524	-12.1144	-0.5404	-0.0000	0.0000
QUAD	5.	"012"	10.00000 FT	5.05987 KG	2.54000 CM	(73.78869 FT)				
778.457 FT	-26.8220	0.0000	777.8681 FT	-76.200	0.000	0.000 MR				
	4.115 CM	3.917 MR	5.097 CM	4.087 MR	0.029 CM	2.000 PC	-1.000	1.000		
	-1.0554	-4.1117	1.2474	3.9122	-31.0079	-1.2948	-24.8129	-1.0684	-0.0000	0.0000
DRIFT	3.		1.50000 FT							
779.957 FT	-26.9361	0.0000	779.3638 FT	-76.200	0.000	0.000 MR				
	3.936 CM	3.917 MR	5.284 CM	4.067 MR	0.029 CM	2.000 PC	-1.000	1.000		
	-0.9983	-3.9329	1.2474	3.9122	-32.1423	-1.3437	-24.8129	-1.0684	-0.0000	0.0000
QUAD	5.	"013A"	5.00000 FT	-4.91839 KG	2.54000 CM	(-147.50694 FT)				
784.957 FT	-27.3168	0.0000	784.3493 FT	-76.200	0.000	0.000 MR				
	3.402 CM	3.108 MR	5.815 CM	2.857 MR	0.029 CM	2.000 PC	-1.000	1.000		
	-0.8240	-3.3997	1.0464	3.1036	-35.3624	-1.4830	-17.3267	-0.7549	-0.0000	0.0000
DRIFT	3.		1.50000 FT							
786.457 FT	-27.4310	0.0000	785.8449 FT	-76.200	0.000	0.000 MR				
	3.260 CM	3.108 MR	5.946 CM	2.857 MR	0.029 CM	2.000 PC	-1.000	1.000		
	-0.7762	-3.2579	1.0464	3.1036	-36.1546	-1.5175	-17.3267	-0.7549	-0.0000	0.0000
QUAD	5.	"013"	10.00000 FT	-4.91839 KG	2.54000 CM	(-72.52768 FT)				
796.457 FT	-28.1922	0.0000	795.8159 FT	-76.200	0.000	0.000 MR				
	2.514 CM	1.845 MR	6.400 CM	0.098 MR	0.029 CM	2.000 PC	-0.999	0.967		
	-0.5030	-2.5126	0.7666	1.8414	-38.9078	-1.6413	-0.5357	-0.8483	-0.0000	0.0000
DRIFT	3.		1.50000 FT							
797.957 FT	-28.3064	0.0000	797.3116 FT	-76.200	0.000	0.000 MR				
	2.430 CM	1.845 MR	6.405 CM	0.098 MR	0.029 CM	2.000 PC	-0.999	0.967		
	-0.4670	-2.4284	0.7666	1.8414	-38.9323	-1.6435	-0.5357	-0.0483	-0.0000	0.0000
QUAD	5.	"014"	10.00000 FT	-4.91839 KG	2.54000 CM	(-72.52768 FT)				
807.957 FT	-29.0677	0.0000	807.2825 FT	-76.200	0.000	0.000 MR				
	2.020 CM	0.874 MR	6.006 CM	2.682 MR	0.029 CM	2.000 PC	-0.996	-1.000		
	-0.2609	-2.0200	0.6072	0.8685	-36.4967	-1.5484	16.3373	0.6657	-0.0000	0.0000
DRIFT	3.		2.72000 FT							
810.677 FT	-29.2747	0.0000	809.9946 FT	-76.200	0.000	0.000 MR				
	1.948 CM	0.874 MR	5.784 CM	2.682 MR	0.029 CM	2.000 PC	-0.996	-1.000		
	-0.2105	-1.9480	0.6072	0.8685	-35.1423	-1.4932	16.3373	0.6657	-0.0300	0.0220
DRIFT	3.	"015"	0.00000 FT							
810.677 FT	-29.2747	0.0000	809.9946 FT	-76.200	0.000	0.000 MR				
	1.948 CM	0.874 MR	5.784 CM	2.682 MR	0.029 CM	2.000 PC	-0.996	-1.000		
	-0.2105	-1.9480	0.6072	0.8685	-35.1423	-1.4932	16.3373	0.6657	-0.0300	0.0220
DRIFT	3.		72.20900 FT							

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882.886 FT

-34.7717 0.0000 881.9941 FT -76.200 0.000 MR
0.183 CM 0.874 MR 0.13 2.682 MR 0.029 CM 2.000 PC 0.000
1.1259 -A.0365 0.6072 0.8685 0.8150 -0.0282 16.3373 0.6657 -0.0000 0.0000
DRIFT 3. "DIK6" 2.0000 FT -34.7717 0.0000 881.9941 FT -76.200 0.000 MR
0.183 CM 0.874 MR 0.133 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.1259 -0.0365 0.6072 0.8685 0.8150 -0.0282 16.3373 0.6657 -0.0000 0.0000

DRIFT 3. 884.266 FT -34.8768 0.0000 883.3701 FT -76.200 0.000 MR
0.183 CM 0.874 MR 0.239 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.1514 0.0000 0.6072 0.8685 1.5022 0.0000 16.3373 0.6657 -0.0000 0.0000

DRIFT 3. "PBM2" 0.0000 FT -34.8768 0.0000 883.3701 FT -76.200 0.000 MR
0.183 CM 0.874 MR 0.239 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.1514 0.0000 0.6072 0.8685 1.5022 0.0000 16.3373 0.6657 -0.0000 0.0000

DRIFT 3. 884.266 FT -34.9316 0.0000 884.0880 FT -76.200 0.000 MR
0.186 CM 0.874 MR 0.296 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.1648 A.0191 0.6072 0.8685 1.8607 0.0146 16.3373 0.6657 -0.0000 0.0000

DRIFT 3. "CBH" 4.00000 FT -35.2361 0.0000 886.0764 FT -76.200 0.000 MR
0.233 CM 0.874 MR 0.620 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.2368 0.1250 0.6072 0.8685 3.8526 0.0958 16.3373 0.6657 -0.0000 0.0000

DRIFT 3. 889.886 FT -35.3046 0.0000 888.9738 FT -76.200 0.000 MR
0.249 CM 0.874 MR 0.693 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.2555 0.1488 0.6072 0.8685 4.3007 0.1140 16.3373 0.6657 -0.0000 0.0000
DRIFT 3. "LC2" 0.00000 FT -35.3807 0.0000 889.9709 FT -76.200 0.000 MR
0.268 CM 0.874 MR 0.775 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.2740 0.1753 0.6072 0.8685 4.7987 0.1343 16.3373 0.6657 -0.0000 0.0000

ROTAT 2. 890.886 FT -35.3807 0.0000 889.9709 FT -76.200 0.000 MR
0.268 CM 0.874 MR 0.775 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.2740 0.1753 0.6072 0.8685 4.7987 0.1343 16.3373 0.6657 -0.0000 0.0000
BEND 4. "B13" 2.0000 FT 0.00000 KG 0.00000 4.00000 FT -36.9032 0.0000 899.9128 FT -76.200 0.000 MR
0.752 CM 0.874 MR 2.408 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.6441 0.7047 0.6072 0.8685 14.7579 0.5401 16.3373 0.6657 -0.0000 0.0000

ROTAT 2. 910.886 FT -36.9032 0.0000 909.9128 FT -76.200 0.000 MR
0.752 CM 0.874 MR 2.408 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.6441 0.7047 0.6072 0.8685 14.7579 0.5401 16.3373 0.6657 -0.0000 0.0000
DRIFT 3. 917.696 FT -37.4216 0.0000 916.7031 FT -76.200 0.000 MR
0.929 CM 0.874 MR 2.964 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.7702 0.8850 0.6072 0.8685 18.1490 0.6783 16.3373 0.6657 -0.0000 0.0000

DRIFT 3. "V6" 2.50000 FT -37.6120 0.0000 919.1958 FT -76.200 0.000 MR
0.994 CM 0.874 MR 3.169 CM 2.682 MR 0.029 CM 2.000 PC 0.000
1.8164 0.9511 0.6072 0.8685 19.3939 0.7291 16.3373 0.6657 -0.0000 0.0000
DRIFT 3. "PAR" 86.45802 FT

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1006.654 FT	-44.1937	0.0000	1005.4029 FT	-76.200	0.000	0.000 MR				
	3.285 CM	0.874 MR	10.235 CM	2.602 MR	0.029 CM	2.000 PC	0.998	1.000		
	3.4166	3.2398	0.6072	0.8685	62.4467	2.4834	16.3373	0.6657	0.0000	0.0200
QUAD	5.	"012 "	10.00000 FT	-4.26383 KG	2.54000 CM	(-83.91022 FT)				
1016.654 FT	-44.9549	0.0000	1015.3739 FT	-76.200	0.000	0.000 MR				
	3.750 CM	2.209 MR	10.444 CM	1.323 MR	0.029 CM	2.000 PC	1.000	-1.000		
	3.8069	3.7009	1.9789	2.1865	63.7157	2.5386	-8.0915	-0.3067	0.0000	0.0200
DRIFT	3.	"D10 "	4.62000 FT							
1021.274 FT	-45.3066	0.0000	1019.9805 FT	-76.200	0.000	0.000 MR				
	4.061 CM	2.209 MR	10.258 CM	1.323 MR	0.029 CM	2.000 PC	1.000	-1.000		
	4.0856	4.0088	1.9789	2.1865	62.5763	2.4954	-8.0915	-0.3067	0.0000	0.0200
QUAD	5.	"016 "	10.00000 FT	-4.26383 KG	2.54000 CM	(-83.91022 FT)				
1031.274 FT	-46.0679	0.0000	1029.9515 FT	-76.200	0.000	0.000 MR				
	4.987 CM	3.927 MR	9.269 CM	5.103 MR	0.029 CM	2.000 PC	1.000	-1.000		
	4.9417	4.9248	3.6931	3.8829	56.5362	2.2593	-31.1552	-1.2274	0.0000	0.0200
DRIFT	3.	"011 "	1.54000 FT							
1032.814 FT	-46.1851	0.0000	1031.4870 FT	-76.200	0.000	0.000 MR				
	5.171 CM	3.927 MR	9.029 CM	5.103 MR	0.029 CM	2.000 PC	1.000	-1.000		
	5.1150	5.1071	3.6931	3.8829	55.0738	2.2017	-31.1552	-1.2274	0.0000	0.0200
QUAD	5.	"017 "	10.00000 FT	3.55423 KG	2.54000 CM	(104.32114 FT)				
1042.814 FT	-46.9464	0.0000	1041.4580 FT	-76.200	0.000	0.000 MR				
	6.099 CM	2.111 MR	7.892 CM	2.421 MR	0.029 CM	2.000 PC	1.000	-1.000		
	5.9753	6.0247	1.9060	2.0891	48.1275	1.9296	-14.7931	-0.5723	0.0000	0.0200
DRIFT	3.	"D12 "	4.66600 FT							
1047.480 FT	-47.3016	0.0000	1046.1105 FT	-76.200	0.000	0.000 MR				
	6.399 CM	2.111 MR	7.548 CM	2.421 MR	0.029 CM	2.000 PC	1.000	-1.000		
	6.2464	6.3218	1.9060	2.0891	46.0237	1.8482	-14.7931	-0.5723	0.0000	0.0200
QUAD	5.	"018 "	10.00000 FT	3.55423 KG	2.54000 CM	(104.32114 FT)				
1057.480 FT	-48.0628	0.0000	1056.0815 FT	-76.200	0.000	0.000 MR				
	6.723 CM	0.024 MR	7.168 CM	0.090 MR	0.029 CM	2.000 PC	-0.154	-0.969		
	6.5161	6.6428	-0.1505	0.0000	43.7015	1.7617	-0.5677	-0.0000	0.0000	0.0200
DRIFT	3.		3.33000 FT							
1060.810 FT	-48.3163	0.0000	1059.4018 FT	-76.200	0.000	0.000 MR				
	6.723 CM	0.024 MR	7.160 CM	0.090 MR	0.029 CM	2.000 PC	-0.154	-0.969		
DRIFT	3.	"PM3 "	0.00000 FT							
1060.810 FT	-48.3163	0.0000	1059.4018 FT	-76.200	0.000	0.000 MR				
	6.723 CM	0.024 MR	7.160 CM	0.090 MR	0.029 CM	2.000 PC	-0.154	-0.969		
DRIFT	3.	"K1 "	53.00000 FT							
1113.810 FT	-52.3510	0.0000	1112.2480 FT	-76.200	0.000	0.000 MR				
	6.717 CM	0.024 MR	7.018 CM	0.090 MR	0.029 CM	2.000 PC	-0.148	-0.968		
	6.2577	6.6428	-0.1505	0.0000	42.7268	1.7617	-0.5677	-0.0000	0.0000	0.0200
DRIFT	3.		3.14100 FT							
1116.951 FT	-52.5901	0.0000	1115.3799 FT	-76.200	0.000	0.000 MR				
	6.717 CM	0.024 MR	7.010 CM	0.090 MR	0.029 CM	2.000 PC	-0.148	-0.968		
	6.2432	6.6428	-0.1505	0.0000	42.6725	1.7617	-0.5677	-0.0000	0.0000	0.0200
DRIFT	3.	"K2 "	53.00000 FT							
1169.951 FT	-56.6248	0.0000	1168.2261 FT	-76.200	0.000	0.000 MR				
	6.711 CM	0.024 MR	6.869 CM	0.090 MR	0.029 CM	2.000 PC	-0.142	-0.967		
	6.0001	6.6428	-0.1505	0.0000	41.7554	1.7617	-0.5677	-0.0000	0.0000	0.0200
DRIFT	3.		3.43000 FT							
1173.381 FT	-56.8859	0.0000	1171.6462 FT	-76.200	0.000	0.000 MR				
	6.711 CM	0.024 MR	6.860 CM	0.090 MR	0.029 CM	2.000 PC	-0.142	-0.966		
	5.9843	6.6428	-0.1505	0.0000	41.6961	1.7617	-0.5677	-0.0000	0.0000	0.0200
DRIFT	3.	"PM4 "	0.00000 FT							
1173.381 FT	-56.8859	0.0000	1171.6462 FT	-76.200	0.000	0.000 MR				
	6.711 CM	0.024 MR	6.860 CM	0.090 MR	0.029 CM	2.000 PC	-0.142	-0.966		
	5.9843	6.6428	-0.1505	0.0000	41.6961	1.7617	-0.5677	-0.0000	0.0000	0.0200
DRIFT	3.		3.80000 FT							

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QUAÑ	5.	"019"	0.0000	1175,4352	-76,200	0,000	0,000 MR	
6.718 CM	0.024	MR	6.6 CM	0.029	CM	2,000	PC	
5.9169	6,6428	-2,1505	0,0000	41,6303	-1,7617	-0,5677	-0,1	
10.0200 FT	2,82723	KG	2,54000 CM	{ 130,7096 FT }	0,000	0,000	-2,000	
-57,9364	0.0200	1185,4061 FT	-76,200	0,000	0,000	0,000	-0,000	
6,451 CM	1,688	MR	7,090 CM	1,674 MR	0,029 CM	-1,000	1,020	
5,6919	6,3870	-1,6674	43,0787	1,8304	10,1330	2,000 PC	-0,000	
DRIFT	3.	1191,891 FT	4,71000 FT	-76,200	0,000	0,000	-0,000	
58,2950	0,0000	1190,1025 FT	-76,200	0,000	0,000	0,000 MR	-0,966	
6,239 CM	1,688	MR	7,330 CM	1,674 MR	0,029 CM	2,000 PC	-1,020	
5,4561	6,1477	-1,6424	-1,6674	44,5334	1,8956	10,1330	0,4538	0,000
19,0200 FT	2,82723	KG	2,54000 CM	{ 130,7096 FT }	0,000	0,000	-0,020	
-59,0562	0,0000	1200,00735 FT	-76,200	0,000	0,000	0,000 MR	-0,020	
5,462 CM	3,181	MR	8,133 CM	3,627 MR	0,029 CM	2,000 PC	-1,000	
4,7518	5,4093	-2,9487	-3,1463	49,3989	2,1096	21,9988	0,9597	0,000
1,43700 FT	-59,1656	0,0000	1201,5063 FT	-76,200	0,000	0,000 MR	-0,000	
5,322 CM	3,181	MR	8,292 CM	3,627 MR	0,029 CM	2,000 PC	-1,020	
4,6227	5,2715	-2,9487	-3,1463	50,3625	2,1516	21,9988	0,9597	0,000
10,0000 FT	-3,16247	KG	2,54000 CM	{ -113,69962 FT }	0,000	0,000	-0,020	
1213,328 FT	-59,9269	0,0000	1211,473 FT	-76,200	0,000	0,000 MR	-0,000	
4,571 CM	1,784	MR	9,024 CM	1,147 MR	0,029 CM	2,000 PC	-1,000	
3,9127	4,5208	-1,7436	-1,7625	54,8039	2,3474	6,9338	0,3152	0,000
4,74000 FT	-60,2877	0,0000	1216,2035 FT	-76,200	0,000	0,000 MR	-0,000	
4,314 CM	1,784	MR	9,190 CM	1,147 MR	0,029 CM	2,000 PC	-1,000	
3,6628	4,2741	-1,7436	-1,7625	55,8057	2,3929	6,9338	0,3152	0,000
10,0000 FT	-3,16247	KG	2,54000 CM	{ -113,69962 FT }	0,000	0,000	-0,020	
1228,068 FT	-61,0493	0,0000	1226,1745 FT	-76,200	0,000	0,000 MR	-0,000	
3,950 CM	0,618	MR	9,139 CM	1,479 MR	0,029 CM	2,000 PC	-0,998	
3,2815	3,9157	-0,7634	-0,6062	55,4871	2,3846	-9,0288	-0,3691	-1,000
2,18000 FT	-61,2150	0,0000	1228,3482 FT	-76,200	0,000	0,000	-0,000	
3,909 CM	0,618	MR	9,041 CM	1,479 MR	0,029 CM	2,000 PC	-0,998	
3,2307	3,8754	-0,7634	-0,6062	54,8885	2,3601	-9,0288	-0,3691	-0,000
2,50000 FT	-61,4253	0,0000	1230,8409 FT	-76,200	0,000	0,000 MR	-0,000	
3,862 CM	0,618	MR	8,928 CM	1,479 MR	0,029 CM	2,000 PC	-0,998	
3,1726	3,8293	-0,7634	-0,6062	54,2021	2,3320	-9,0288	-0,3691	-1,000
3,1726	3,8293	-0,7634	-0,6062	54,8885	2,3601	-9,0288	-0,3691	-0,000
1,40000 FT	-61,5118	0,0000	1232,2369 FT	-76,200	0,000	0,000 MR	-0,000	
3,836 CM	0,618	MR	8,865 CM	1,479 MR	0,029 CM	2,000 PC	-0,998	
3,1420	3,8034	-0,7634	-0,6062	53,8176	2,3162	-9,0288	-0,3691	-0,000
2,50000 FT	-61,7022	0,0000	1234,7296 FT	-76,200	0,000	0,000 MR	-0,000	
3,789 CM	0,618	MR	8,752 CM	1,479 MR	0,029 CM	2,000 PC	-0,998	
3,0818	3,7572	-0,7634	-0,6062	53,1312	2,2681	-9,0288	-0,3691	-0,000
3,0818	3,7572	-0,7634	-0,6062	51,4122	2,2177	-9,0288	-0,3691	-0,000
6,26000 FT	-62,1787	0,0000	1240,9715 FT	-76,200	0,000	0,000 MR	-0,000	
3,671 CM	0,618	MR	8,470 CM	1,479 MR	0,029 CM	2,000 PC	-0,998	
2,9362	3,6415	-0,7634	-0,6062	51,4062	2,2582	-9,0288	-0,3691	-0,000
0,7326	1,8901	-0,7634	-0,6062	25,3822	1,1511	-9,0288	-0,3691	-0,000
1,02,30300 FT	-77,1830	0,0000	1437,4985 FT	-76,200	0,000	0,000 MR	-0,966	
0,262 CM	0,618	MR	0,431 CM	1,479 MR	0,029 CM	2,000 PC	-0,196	
-1,6497	0,0000	-0,7634	-0,6062	2,7091	0,0000	-0,3691	0,000	-0,020
0,7326	1,8901	-0,7634	-0,6062	25,3822	1,1511	-9,0288	-0,3691	-0,000
1,02,30300 FT	-77,1830	0,0000	1437,4985 FT	-76,200	0,000	0,000 MR	-0,966	
0,262 CM	0,618	MR	0,431 CM	1,479 MR	0,029 CM	2,000 PC	-0,196	
-1,6497	0,0000	-0,7634	-0,6062	2,7091	0,0000	-0,3691	0,000	-0,020
0,7326	1,8901	-0,7634	-0,6062	25,3822	1,1511	-9,0288	-0,3691	-0,000

1440.007 FT

-77.1830	0.0000	1437.4985 FT	-76.200	0,000	0,000 MR		
0.262 CM	0.618 MR	0.431 CM	1.479 MR	0.029 CM	2.000 PC	0.196	0.968
-1.6497	0.0000	-0.7634	-0.6062	-2.7091	-0.0000	-9.0088	-0.3691
						0.0000	-0.0220

DRIFT 3. "PM5"

1440.227 FT

-77.1830	0.0000	1437.4985 FT	-76.200	0,000	0,000 MR		
0.262 CM	0.618 MR	0.431 CM	1.479 MR	0.029 CM	2.000 PC	0.196	0.968
-1.6497	0.0000	-0.7634	-0.6062	-2.7091	-0.0000	-9.0088	-0.3691
						0.0000	-0.0220

LENGTH 1440.00664 FT

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TTTTTTTTTTTTT	FFFFFFF FFFF FFF	444	444	0	00000	0000000000	EEEEEEEEE EEE EE
TTTTTTTTTTTTT	FFFFF FFF FFF	444	444	0	00000	0000000000	EEEEEEEEE EEE EE
TTTTTTTTTTTTT	FFFFF FFF FFF	444	444	0000000000	0000000000	0000000000	EEEEEEEEE EEE EE
TTT	FFF	444	444	000	000	000	000
TTT	FFF	444	444	000	000	000	000
TTT	FFF	444	444	000	000	000	000
TTT	FFF	444	444	000	00000	000	00000
TTT	FFF	444	444	000	00000	000	00000
TTT	FFF	444	444	000	00000	000	00000
TTT	FFFFF FFFF FFF	444444444444444	444	000	000	000	000
TTT	FFFFF FFF FFF	444444444444444	444	000	000	000	000
TTT	FFFFF FFF FFF	444444444444444	444	000	000	000	000
TTT	FFF	444	444	0000000	000	000000	000
TTT	FFF	444	444	0000000	000	000000	000
TTT	FFF	444	444	0000000	000	000000	000
TTT	FFF	444	444	0000000	000	000000	000
TTT	FFF	444	444	0000000	000	000000	000
TTT	FFF	444	444	0000000	0000000000	0000000000	EEEEEEEEE EEE EE
TTT	FFF	444	444	0000000	0000000000	0000000000	EEEEEEEEE EEE EE
TTT	FFF	444	444	0000000	0000000000	0000000000	EEEEEEEEE EEE EE

DDDDDDDDDDDDDD	AAAAAAA	TTTTTTTTTTTTTT
DDDDDDDDDDDDDD	AAAAAAA	TTTTTTTTTTTTTT
DDDDDDDDDDDDDD	AAAAAAA	TTTTTTTTTTTTTT

DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
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DDD	DDD	AAA	AAA	TTT
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DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDD	DDD	AAA	AAA	TTT
DDDDDDDDDDDDDD	AAA	AAA	TTT	
DDDDDDDDDDDDDD	AAA	AAA	TTT	
DDDDDDDDDDDDDD	AAA	AAA	TTT	
DDDDDDDDDDDDDD	AAA	AAA	TTT	

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LPTSP1 VERSION 6(344) RUNNING ON LPT000

START USER ECK, UNR,S, [105,711] JOB TF250E SEQ. 26125 DATE 03-MAY-77 22:13:40 MONITOR FERMILAB 602.1 *START*

REQUEST CREATED: 03-MAY-77 22:15:12

FILE: DSXC0:TF400F.DAT[105,711] CREATED: 29-APR-77 12:38:00 <155> PRINTED: 03-MAY-77 22:19:06

QUEUE SWITCHES: /PRINT:ARROW /FILE:FORT /COPIES:1 /SPACING:1 /LIMIT:504 /FORMS:NORMAL

FILE WILL BE RENAMED TO <055> PROTECTION

2		"FT"	0.30480	1
15.		"WNR"	0.05730	1
15.				
13.			19.00000	
13.			3.00000	
13.			6.00000	
13.			12.00000	
13.			18.00000	
* =13.	"POFF"		1.00000	0.15900
1.00000			1.00000	0.00000
1.6.00	"OF "		19.00000	-3.00000
3.0			16.00000	
3.0	"F2 "		8.50000	
3.0			1.50000	
3.0	"F3 "		8.50000	
3.0	"F4 "		8.50000	
3.0			0.10000	
3.0	"IK0"		0.00000	
3.0			3.30000	
*	"01 "		10.00000	-3.38169
5.00	"02 "		1.06300	2.54000
5.00			10.00000	-3.38169
5.00	"03 "		1.07200	2.54000
5.00			10.00000	-3.38169
5.00			1.32000	
2.0	"A1 "		1.33367	
4.000			10.25000	11.39147
2.0			1.33367	
3.0			1.24500	
4.002	"A2 "		1.33367	0.00000
4.002			10.25000	11.39147
2.0			1.33367	
3.0			1.32500	
5.00	"04 "		10.00000	3.48188
5.00	"05 "		1.07500	2.54000
5.00			10.00000	3.48188
5.00			1.34400	2.54000
2.0	"A3 "		1.33367	
4.000	"A4 "		10.25000	11.39147
2.0			1.33367	
3.0			1.20800	
2.0			1.33367	
4.000	"A5 "		10.25000	11.39147
2.0			1.33367	
3.0			1.22200	
2.0			1.33367	
3.0			0.91200	
3.0	"C3H "		6.00000	
3.0			0.29200	
3.0			1.35800	
2.0			3.68016	
2.0	"A6 "		17.05637	0.00000
4.002			19.21667	

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2.0		3.880161			
3.0		1.337001			
2.0		3.880161			
4.000	"R7 "	19.91667	17.05637	0.000001	
2.0		3.880161			
3.0		1.342001			
2.0		3.880161			
4.000	"R8 "	19.91667	17.05637	0.000001	
2.0		3.880161			
3.0		1.820001			
5.00	"06 "	5.00200	4.00000	2.540001	
3.0		1.599001			
3.0	"V1 "	2.500001			
3.0		1.419001			
3.0		0.229001			
3.0	"C4V "	6.002001			
3.0		0.229001			
3.0		2.403001			
5.00	"07 "	10.00000	-4.50248	2.540001	
3.0		2.625001			
3.0	"NIK1"	0.070001			
3.0		94.076001			
3.0	"NIK2"	0.020001			
3.0		7.262001			
3.0		0.115001			
3.0	"RS1 "	3.000001			
3.0		0.115001			
3.0		26.718001			
5.00	"08 "	7.00200	4.11593	2.540001	
3.0		4.220001			
5.00	"09 "	4.33300	0.00000	2.540001	
3.0		1.410001			
5.00	"010 "	4.33300	0.00000	2.540001	
3.0		6.250001			
3.0	"V3 "	2.500001			
3.0		10.469001			
3.0		0.292001			
3.0	"C5H "	4.000001			
3.0		0.293001			
3.0		0.830001			
3.0		0.230001			
3.0	"C6V "	4.000001			
3.0		0.230001			
3.0		0.960001			
3.0	"1F "	0.000001			
-12.	"1F12"	-1.00000	2.00000	0.00000	0.000101
-12.	"1F34"	-3.00000	4.00000	0.00000	0.000101
3.0	"PM1 "	0.00000			
3.0	"IC1 "	0.00000			
3.0		3.515001			
3.0	"NIK3"	0.000001			
3.0		195.158001			
3.0	"NIK4"	0.00000			
3.0		5.212001			
3.0		0.232001			
3.0	"C7V "	4.00000			
3.0		0.230001			
3.0		1.520001			
3.0	"C7H "	2.500001			
3.0		1.500001			

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3.0	"V5 "	2.50000			
3.0		2.49200			
2.0		4.57275			
-4.022	"R9 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		1.29000			
2.0		4.57275			
-4.022	"R10 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		1.31200			
2.0		4.57275			
-4.022	"R11 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		1.36200			
2.0		4.57275			
-4.022	"R12 "	19.91667	20.10081	0.00000	
2.0		4.57275			
3.0		3.01000			
5.02	"n11 "	10.00000	5.05987	2.54000	
3.0		1.50000			
5.02	"n12 "	10.00000	5.05987	2.54000	
3.0		1.50000			
5.02	"n13A"	5.00000	-4.91839	2.54000	
3.0		1.50000			
5.02	"n13 "	10.00000	-4.91839	2.54000	
3.0		1.50000			
5.02	"n14 "	12.00000	-4.91839	2.54000	
3.0		2.72000			
3.0	"nIK5"	0.00200			
3.0	"nIK6"	72.20900			
3.0		0.00000			
3.0		1.38000			
3.0	">F "	0.00200			
-10.	">F12"	-1.00000	2.00000	0.00000	0.00010
-10.	">F34"	-3.00200	4.00000	0.00000	0.00010
3.0	"PM2 "	0.00200			
3.0		0.72200			
3.0	"n8H "	4.38200			
3.0		0.90000			
3.0	"IC2 "	0.00200			
3.0		1.00200			
2.0		0.00200			
-4.032	"R13 "	19.91667	26.37613	0.00000	
2.0		0.00200			
-10.	">F16"	-1.00200	6.00000	0.00000	0.00010
-10.	">F26"	-2.00300	6.00000	0.00000	0.00010
3.0		6.81800			
3.0	"V6 "	2.50000			
3.0	"PAR "	86.45800			
5.02	"n15 "	10.00000	-4.26383	2.54000	
3.0	"n10 "	4.62000			
5.02	"n16 "	10.00000	-4.26383	2.54000	
3.0	"n11 "	1.54200			
5.02	"n17 "	10.00000	3.55423	2.54000	
3.0	"n12 "	4.66600			
5.02	"n18 "	10.00000	3.55423	2.54000	
3.0		3.33000			
3.0	"PM3 "	0.00200			
-10.	"3F22"	-2.00000	2.00000	0.00000	0.00101
-10.	"3F44"	-4.00000	4.00000	0.00000	0.00101

3.0	"K1 "	53.00000
3.0		3.14100
3.0	"K2 "	53.00000
3.0		3.43300
3.0	"PM4 "	0.00000
3.0		3.87300
5.00	"n19 "	10.00000 2.82723 2.54000
3.0		4.71000
5.00	"n20 "	10.00000 2.82723 2.54000
3.0		1.43700
5.00	"n21 "	10.00000 -3.16247 2.54000
3.0		4.74000
5.00	"n22 "	10.00000 -3.16247 2.54000
3.0		2.18000
3.0	"v7 "	2.57000
3.0		1.40000
3.0	"v8 "	2.50000
3.0		6.26000
3.0	"K3 "	94.79600
3.0		102.30300
3.0	"RF "	0.00000
-10.	"3F12"	-1.00000 2.00000 0.00000 0.00010
-10.	"3F34"	-3.00000 4.00000 0.00000 0.00010
3.0	"PM5 "	0.00000

SENTINEL

	R11	R12	R21	R22	R33	R34	R43	R44	R44	R16	R26
SEAM	0.000 FT	1.	400.000000 GEV	0.000000 0.000000 MR	0.000000 0.000000 MR	0.000000 0.000000 CH	1.000000 0.000000 CH	2.000000 PC	0.000000 0.000000 PC	0.000000 0.000000	
DRIFF	0.0200 FT		0.0200 CM	1.0000 MR	0.159 CM	0.159 CM	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.000000 0.000000	
THETA	16.	"0F"	0.000000 FT	0.000000 MR	0.000000 FT	-3.000000 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	0.0700 FT		0.159 CM	1.0000 MR	0.159 CM	1.0000 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	3.	"0F"	0.500000 FT	0.000000 MR	0.000000 1.000000	1.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	16.520 FT		-0.0495	0.000000	16.4999 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	3.	"0C2"	0.527 CM	1.0000 MR	0.527 CM	1.0000 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	25.000 FT		1.0000 0.5029	0.000000 1.000000	1.000000 0.5029	1.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	3.	"0C2"	0.500000 FT	0.000000 MR	0.778 CM	0.778 CM	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	26.520 FT		-0.0750	0.000000	24.9999 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	35.000 FT		0.778 CM	1.0002 MR	0.823 CM	1.0002 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	3.	"0C3"	1.0000 0.8077	0.000000 1.000000	1.0000 0.8077	1.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	36.520 FT		0.500000 FT	0.000000	34.9998 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	45.000 FT		-0.1050	0.000000	26.4999 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1050	0.000000	1.0002 MR	1.079 CM	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1050	0.000000	1.124 CM	1.079 CM	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1050	0.000000	1.124 CM	1.124 CM	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1350	0.000000	1.3716	0.000000	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1353	0.000000	44.9998 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1353	0.000000	1.381 CM	1.381 CM	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1353	0.000000	45.0998 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1353	0.000000	1.3746	0.000000	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1353	0.000000	1.384 CM	1.384 CM	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	45.100 FT		0.1353	0.000000	1.384 CM	1.384 CM	1.000000 0.000000	1.000000 0.000000	1.000000 0.000000	0.000000 0.000000	
DRIFF	51.400 FT		0.1542	0.000000	51.3998 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	51.400 FT		1.575 CM	1.0000 MR	1.575 CM	1.0000 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
OUAH	5.	"01"	1.0000 1.5667	0.000000 1.000000	1.0000 1.5667	0.000000 1.000000	1.000000 1.5667	0.000000 1.000000	1.000000 1.5667	0.000000 0.000000	
OUAH	61.400 FT		10.0000 1.0842	0.000000 1.000000	3.38169 KC	3.38169 KC	2.542000 0.000000	(-106.22317 FT)	(-106.22317 FT)	0.000000 0.000000	NH
DRIFF	72.463 FT		1.956 CM	1.531 MR	1.801 CM	0.487 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	72.463 FT		1.0467 1.9494	0.3089 1.5306	0.9540	1.7947	-0.2995 0.4848	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	82.463 FT		0.1874	0.000000	62.4627 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	82.463 FT		2.006 CM	1.531 MR	1.817 CM	0.487 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
GUAN	5.	"02"	1.0567	1.9990	0.3089 1.5306	0.9443 -0.2995	1.8164 -0.4848	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	1.07200 FT		1.2174	0.000000	72.4627 FT	-3.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	1.2174		2.573 CM	2.222 MR	1.877 CM	0.129 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	1.2174		1.2217	2.5661	0.6497	2.2195	0.129 MR	0.000000 0.000000	0.000000 0.000000	0.000000 0.000000	
DRIFF	1.2174		1.07200 FT								

73.535 FT		-0.2206 0.0000 73.5347 FT	-3.000 0.000 0.000 MR				
		2.646 CM 2.222 MR 1.874	0.120 MR 0.000 CM 2.000 PC	1.000	-0.710		
QUAN	5.	"03."	1.2229 2.6386 0.6497 2.2192	0.7924 1.8701 -0.5685 -0.0796	0.0000	0.0000	
A3.535 FT		10.000000 FT -3.38169 KG	2.540000 CM (-106.22317 FT)				
		-0.2506 0.0000 83.5346 FT	-3.000 0.000 0.000 MR				
		3.457 CM 3.143 MR 1.763 CM	0.648 MR 0.000 CM 2.000 PC	1.000	-0.993		
DRIFT	3.	1.4811 3.4489 1.0577 3.1382	0.5854 1.7602 -0.7796 -0.6360	0.0002	0.0000		
84.855 FT		1.320000 FT					
		-0.2546 0.0000 84.8546 FT	-3.000 0.000 0.000 MR				
		3.583 CM 3.143 MR 1.737 CM	0.648 MR 0.000 CM 2.000 PC	1.000	-0.990		
ROTAT	2.	1.5237 3.5752 1.0577 3.1382	0.5540 1.7346 -0.7796 -0.6360	0.0000	0.0000		
84.855 FT		1.33367 MR					
		-0.2546 0.0000 84.8546 FT	-3.000 0.000 0.000 MR				
		3.583 CM 3.143 MR 1.737 CM	0.648 MR 0.000 CM 2.000 PC	1.000	-0.990		
BEND	4.	"B1"	1.5237 3.5752 1.0577 3.1382	0.5540 1.7346 -0.7796 -0.6360	0.0000	0.0000	
95.105 FT		10.250000 FT 11.39147 KG	0.000000 (3842.767 FT, 2.667 MR)				
		-0.2990 0.0000 95.1045 FT	-5.667 0.000 0.000 MR				
		4.565 CM 3.143 MR 1.537 CM	0.648 MR 0.011 CM 2.000 PC	1.000	-0.987		
ROTAT	2.	1.8541 4.5556 1.0577 3.1381	0.3104 1.5359 -0.7796 -0.6360	0.0042	0.0267		
95.105 FT		1.33367 MR					
		-0.2990 0.0000 95.1045 FT	-5.667 0.000 0.000 MR				
		4.565 CM 3.143 MR 1.537 CM	0.648 MR 0.011 CM 2.000 PC	1.000	-0.987		
DRIFT	3.	1.8541 4.5556 1.0577 3.1382	0.3104 1.5359 -0.7796 -0.6360	0.0042	0.0267		
96.345 FT		1.240000 FT					
		-0.3060 0.0000 96.3445 FT	-5.667 0.000 0.000 MR				
		4.684 CM 3.143 MR 1.513 CM	0.648 MR 0.011 CM 2.000 PC	1.000	-0.987		
ROTAT	2.	1.8941 4.6742 1.0577 3.1382	0.2810 1.5118 -0.7796 -0.6360	0.0052	0.0267		
96.345 FT		1.33367 MR					
		-0.3060 0.0000 96.3445 FT	-5.667 0.000 0.000 MR				
		4.684 CM 3.143 MR 1.513 CM	0.648 MR 0.011 CM 2.000 PC	1.000	-0.987	16	
BEND	4.	"B2"	1.8941 4.6742 1.0577 3.1382	0.2810 1.5118 -0.7796 -0.6360	0.0052	0.0267	1
106.595 FT		10.250000 FT 11.39147 KG	0.000000 (3842.767 FT, 2.667 MR)				
		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR				
		5.666 CM 3.144 MR 1.313 CM	0.648 MR 0.025 CM 2.000 PC	1.000	-0.982		
ROTAT	2.	2.2246 5.6546 1.0577 3.1381	0.0374 1.3131 -0.7796 -0.6360	0.0177	0.0533		
106.595 FT		1.33367 MR					
		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR				
		5.666 CM 3.144 MR 1.313 CM	0.648 MR 0.025 CM 2.000 PC	1.000	-0.982		
DRIFT	3.	2.2246 5.6546 1.0577 3.1382	0.0374 1.3131 -0.7796 -0.6360	0.0177	0.0533		
107.920 FT		1.325000 FT					
		-0.3888 0.0000 107.9192 FT	-8.335 0.000 0.000 MR				
		5.793 CM 3.144 MR 1.287 CM	0.648 MR 0.025 CM 2.000 PC	1.000	-0.982		
QUAN	5.	"04"	2.2673 5.7813 1.0577 3.1382	0.0059 1.2874 -0.7796 -0.6360	0.0198	0.0533	
117.920 FT		10.000000 FT 3.48188 KG	2.540000 CM (106.45350 FT)				
		-0.4722 0.0000 117.9189 FT	-8.335 0.000 0.000 MR				
		6.461 CM 1.212 MR 1.153 CM	0.288 MR 0.025 CM 2.000 PC	0.998	-0.878		
DRIFT	3.	2.4772 6.4490 0.3089 1.2078	-0.2353 1.1524 -0.8153 -0.2570	0.0349	0.0447		
118.995 FT		1.075000 FT					
		-0.4811 0.0000 118.9938 FT	-8.335 0.000 0.000 MR				
		6.501 CM 1.212 MR 1.145 CM	0.288 MR 0.025 CM 2.000 PC	0.998	-0.876	28	
QUAN	5.	"05"	2.4873 6.4886 0.3089 1.2078	-0.2620 1.1440 -0.8153 -0.2570	0.0364	0.0447	1
128.995 FT		10.000000 FT 3.48188 KG	2.540000 CM (106.45350 FT)				
		-0.5645 0.0000 128.9935 FT	-8.335 0.000 0.000 MR				
		6.556 CM 0.855 MR 1.123 CM	0.177 MR 0.025 CM 2.000 PC	-0.996	0.597		
DRIFT	3.	2.4622 6.5437 -0.4723 -0.8491	-0.5270 1.1194 -0.9378 0.0946	0.0480	0.0314		
130.339 FT		1.344000 FT					
		-0.5757 0.0000 130.3374 FT	-8.335 0.000 0.000 MR				
		6.521 CM 0.855 MR 1.127 CM	0.177 MR 0.025 CM 2.000 PC	-0.996	0.601		
ROTAT	2.	2.4429 6.5089 -0.4723 -0.8491	-0.5655 1.1233 -0.9378 0.0946	0.0493	0.0314		
		1.33367 MR					

130.339 FT

BEND	4.	"B3 "	0.0000 130.3374 FT	-8.335 0.000 MR	0.000 0.025 CM	2.000 PC	"0.996 0.601
6.521 CM	0.855 MR	1.127 CM	0.177 MR	0.025 CM	2.000 PC	"0.996 0.601	
2.4429 6.5089	-0.4723	-0.8491	-0.5655 1.1233	-0.9378	0.0946	0.2493	
6.256 CM	0.862 MR	1.161 CM	0.177 MR	0.042 CM	2.000 PC	-0.987 0.631	
2.2953 6.2436	-0.4724	-0.8492	-0.8585 1.1528	-0.9378	0.0946	0.0633	
ROTAT	2.	"C1 "	1.33367 MR	-11.002 0.000	0.000 0.000 MR	2.667 MR	-0.631
140.589 FT	-0.6748	0.0000 140.5869 FT	-11.002 0.000	0.000 0.000 MR	2.667 MR	-0.631	
6.256 CM	0.862 MR	1.161 CM	0.177 MR	0.042 CM	2.000 PC	-0.987 0.631	
2.2953 6.2436	-0.4723	-0.8491	-0.8585 1.1528	-0.9378	0.0945	0.0633	
DRIFT	3.	"C2 "	1.20820 FT	-0.6881 0.0000 141.7949 FT	-11.002 0.000	0.000 0.000 MR	-0.987 0.631
6.224 CM	0.862 MR	1.165 CM	0.177 MR	0.042 CM	2.000 PC	-0.987 0.631	
2.2779 6.2123	-0.4723	-0.8491	-0.8930 1.1563	-0.9378	0.0945	0.0633	
ROTAT	2.	"C3 "	1.33367 MR	-11.002 0.000	0.000 0.000 MR	2.667 MR	-0.631
141.797 FT	-0.6881	0.0000 141.7949 FT	-11.002 0.000	0.000 0.000 MR	2.667 MR	-0.631	
6.224 CM	0.862 MR	1.165 CM	0.177 MR	0.042 CM	2.000 PC	-0.987 0.631	
2.2779 6.2123	-0.4723	-0.8491	-0.8930 1.1563	-0.9378	0.0945	0.0633	
BEND	4.	"B4 "	10.25000 FT	11.39147 KG	0.00000 0.00000	1.1563 -0.9378	-0.0654 0.631
152.047 FT	-0.8145	0.0000 152.0441 FT	-13.669 0.000	0.000 0.000 MR	2.667 MR	-0.661	
5.959 CM	0.862 MR	1.201 CM	0.177 MR	0.058 CM	2.000 PC	-0.974 0.661	
2.1304 5.9470	-0.4724	-0.8492	-1.1860 1.1859	-0.9378	0.0945	0.0678	
ROTAT	2.	"C4 "	1.33367 MR	-13.669 0.000	0.000 0.000 MR	2.667 MR	-0.661
152.047 FT	-0.8145	0.0000 152.0441 FT	-13.669 0.000	0.000 0.000 MR	2.667 MR	-0.661	
5.959 CM	0.862 MR	1.201 CM	0.177 MR	0.058 CM	2.000 PC	-0.974 0.661	
2.1304 5.9470	-0.4723	-0.8491	-1.1860 1.1859	-0.9378	0.0945	0.0678	
DRIFT	3.	"C5 "	1.22200 FT	-0.8312 0.0000 153.2660 FT	-13.669 0.000	0.000 0.000 MR	-0.974 0.661
5.928 CM	0.862 MR	1.205 CM	0.177 MR	0.058 CM	2.000 PC	-0.974 0.661	
2.1128 5.9154	-0.4723	-0.8491	-1.2209 1.1894	-0.9378	0.0945	0.0678	
ROTAT	2.	"C6 "	1.33367 MR	-13.669 0.000	0.000 0.000 MR	2.667 MR	-0.661
153.269 FT	-0.8312	0.0000 153.2660 FT	-13.669 0.000	0.000 0.000 MR	2.667 MR	-0.661	
5.928 CM	0.862 MR	1.205 CM	0.177 MR	0.058 CM	2.000 PC	-0.974 0.661	
2.1128 5.9154	-0.4723	-0.8491	-1.2209 1.1894	-0.9378	0.0945	0.0678	
BEND	4.	"B5 "	10.25000 FT	11.39147 KG	0.00000 0.00000	1.1894 -0.9378	-0.0909 0.661
163.519 FT	-0.9850	0.0000 163.5148 FT	-16.337 0.000	0.000 0.000 MR	2.667 MR	-0.667	
5.664 CM	0.881 MR	1.242 CM	0.177 MR	0.073 CN	2.000 PC	-0.955 0.689	
1.9652 5.6501	-0.4724	-0.8492	-1.5139 1.2189	-0.9378	0.0945	0.1215 0.114	
ROTAT	2.	"C7 "	1.33367 MR	-16.337 0.000	0.000 0.000 MR	2.667 MR	-0.667
163.519 FT	-0.9850	0.0000 163.5148 FT	-16.337 0.000	0.000 0.000 MR	2.667 MR	-0.667	
5.664 CM	0.881 MR	1.242 CM	0.177 MR	0.073 CM	2.000 PC	-0.955 0.689	
1.9652 5.6501	-0.4723	-0.8491	-1.5139 1.2189	-0.9378	0.0945	0.1215 0.114	
DRIFT	3.	"C8 "	1.34000 FT	-1.0269 0.0000 164.8546 FT	-16.337 0.000	0.000 0.000 MR	-0.955 0.689
5.639 CM	0.881 MR	1.247 CM	0.177 MR	0.073 CM	2.000 PC	-0.955 0.689	
1.9459 5.6154	-0.4723	-0.8491	-1.5139 1.2189	-0.9378	0.0945	0.1215 0.114	
DRIFT	3.	"C9 "	1.29100 FT	-1.0116 0.0000 165.1456 FT	-16.337 0.000	0.000 0.000 MR	-0.955 0.692
5.622 CM	0.881 MR	1.249 CM	0.177 MR	0.073 CM	2.000 PC	-0.955 0.692	
1.9417 5.6079	-0.4723	-0.8491	-1.5522 1.2228	-0.9378	0.0945	0.1271 0.114	
DRIFT	3.	"C3H "	6.00200 FT	-0.9296 0.0000 171.1448 FT	-16.337 0.000	0.000 0.000 MR	-0.952 0.706
5.469 CM	0.881 MR	1.271 CM	0.177 MR	0.073 CM	2.000 PC	-0.952 0.706	
1.8554 5.4526	-0.4723	-0.8491	-1.7320 1.2479	-0.9378	0.0945	0.1475 0.114	
DRIFT	3.	"C10 "	2.29200 FT	-1.1144 0.0000 171.4368 FT	-16.337 0.000	0.000 0.000 MR	-0.952 0.706
5.461 CM	0.881 MR	1.272 CM	0.177 MR	0.073 CM	2.000 PC	-0.952 0.706	
1.8512 5.4451	-0.4723	-0.8491	-1.7404 1.2417	-0.9378	0.0945	0.1485 0.114	
DRIFT	3.	"C11 "	1.35800 FT	-	-	-	-

172.828 FT	-1.1366	0.0000	172.7946 FT	-16.337	0.000	0.000 MR				
	5.426 CM	0.881 MR	1.27 CM	0.177 MR	0.073 CM	2.000 PC	-0.95	0.709		
	1.8316	5.4099	-0.4723	-0.8491	-1.7792	1.2456	-0.9378	0.0945	0.1531	0.1114
ROTAT	2.	3.88016 MR								
172.800 FT	-1.1366	0.0000	172.7946 FT	-16.337	0.000	0.000 MR				
	5.426 CM	0.881 MR	1.277 CM	0.176 MR	0.073 CM	2.000 PC	-0.951	0.709		
BEND	4.	"R6"	19.91667 FT	17.05637 KG	0.00000	(2566.476 FT , 7.760 MR)				
192.717 FT	-1.5392	0.0000	192.7071 FT	-24.097	0.000	0.000 MR				
	4.925 CM	0.933 MR	1.355 CM	0.176 MR	0.114 CM	2.000 PC	-0.869	0.747		
	1.5449	4.8945	-0.4724	-0.8494	-2.3484	1.3030	-0.9377	0.0944	0.2442	0.1890
ROTAT	2.	3.88016 MR								
192.717 FT	-1.5392	0.0000	192.7071 FT	-24.097	0.000	0.000 MR				
	4.925 CM	0.933 MR	1.355 CM	0.176 MR	0.114 CM	2.000 PC	-0.869	0.747		
DRIFT	3.	1.33700 FT								
194.054 FT	-1.5714	0.0000	194.0437 FT	-24.097	0.000	0.000 MR				
	4.892 CM	0.933 MR	1.361 CM	0.176 MR	0.114 CM	2.000 PC	-0.867	0.749		
	1.5256	4.8599	-0.4723	-0.8491	-2.3866	1.3068	-0.9376	0.0944	0.2520	0.1890
ROTAT	2.	3.88016 MR								
194.054 FT	-1.5714	0.0000	194.0437 FT	-24.097	0.000	0.000 MR				
	4.892 CM	0.932 MR	1.361 CM	0.176 MR	0.114 CM	2.000 PC	-0.867	0.749		
BEND	4.	"R7"	19.91667 FT	17.05637 KG	0.00000	(2566.476 FT , 7.760 MR)				
213.970 FT	-2.1286	0.0000	213.9526 FT	-31.857	0.000	0.000 MR				
	4.418 CM	1.006 MR	1.443 CM	0.176 MR	0.149 CM	2.000 PC	-0.740	0.781		
	1.2389	4.3444	-0.4724	-0.8493	-2.9557	1.3641	-0.9374	0.0943	0.3902	0.2666
ROTAT	2.	3.88016 MR								
213.970 FT	-2.1286	0.0000	213.9526 FT	-31.857	0.000	0.000 MR				
	4.418 CM	1.005 MR	1.443 CM	0.176 MR	0.149 CM	2.000 PC	-0.740	0.781		
DRIFT	3.	1.34200 FT								
215.312 FT	-2.1713	0.0000	215.2939 FT	-31.857	0.000	0.000 MR				
	4.388 CM	1.005 MR	1.448 CM	0.176 MR	0.149 CM	2.000 PC	-0.736	0.783		
	1.2196	4.3097	-0.4723	-0.8491	-2.9940	1.3679	-0.9373	0.0942	0.4012	0.2666
ROTAT	2.	3.88016 MR								
215.312 FT	-2.1713	0.0000	215.2939 FT	-31.857	0.000	0.000 MR				
	4.388 CM	1.005 MR	1.448 CM	0.176 MR	0.149 CM	2.000 PC	-0.736	0.782		
BEND	4.	"R8"	19.91667 FT	17.05637 KG	0.00000	(2566.476 FT , 7.760 MR)				
235.229 FT	-2.8829	0.0000	235.1978 FT	-39.618	0.000	0.000 MR				
	3.974 CM	1.096 MR	1.534 CM	0.176 MR	0.181 CM	2.000 PC	-0.557	0.829		
	0.9328	3.7942	-0.4724	-0.8493	-3.5629	1.4251	-0.9372	0.0942	0.5866	0.3442
ROTAT	2.	3.88016 MR								
235.229 FT	-2.8829	0.0000	235.1978 FT	-39.618	0.000	0.000 MR				
	3.974 CM	1.096 MR	1.534 CM	0.176 MR	0.181 CM	2.000 PC	-0.557	0.829		
DRIFT	3.	1.82000 FT								
237.049 FT	-2.9550	0.0000	237.0163 FT	-39.618	0.000	0.000 MR				
	3.941 CM	1.096 MR	1.541 CM	0.176 MR	0.181 CM	2.000 PC	-0.546	0.811		
	0.9066	3.7471	-0.4723	-0.8491	-3.6149	1.4303	-0.9370	0.0941	0.6057	0.3442
QUAD	5.	"06"	5.00000 FT	4.00000 KG	2.54200 CM	(183.23080 FT)				
242.049 FT	-3.1531	0.0000	242.0124 FT	-39.618	0.000	0.000 MR				
	3.799 CM	1.581 MR	1.585 CM	0.436 MR	0.181 CM	2.000 PC	-0.798	0.973		
	0.8226	3.5670	-0.6282	-1.5084	-3.8080	1.4643	-1.6031	0.3538	0.6496	0.2311
DRIFT	3.	1.59900 FT								
243.648 FT	-3.2164	0.0000	243.6102 FT	-39.618	0.000	0.000 MR				
	3.737 CM	1.581 MR	1.605 CM	0.436 MR	0.181 CM	2.000 PC	-0.791	0.974		
	0.7920	3.4935	-0.6282	-1.5084	-3.8862	1.4816	-1.6031	0.3538	0.6629	0.2311
DRIFT	3.	"V1"	2.50000 FT							

246.148 FT		-3.3154 0.0000 246.1082 FT	-39.618 0.000 0.000 MR				
		3.643 CM 1.581 MR 1.638 CM	0.436 MR 0.181 CM 2.000 PC	-0.778	0.975		
		0.7441 3.3786 -0.6282 -1.5084	-4.0083 1.5086 -1.6031 0.3538	0.6785	0.2311		
•DRIFT•	3.	1.41900 FT					
247.567 FT		-3.3716 0.0000 247.5261 FT	-39.618 0.000 0.000 MR				
		3.590 CM 1.581 MR 1.656 CM	0.436 MR 0.181 CM 2.000 PC	-0.771	0.975		
		0.7169 3.3133 -0.6282 -1.5084	-4.0776 1.5239 -1.6031 0.3538	0.6885	0.2311		
•DRIFT•	3.	0.22900 FT					
247.796 FT		-3.3807 0.0000 247.7549 FT	-39.618 0.000 0.000 MR				
		3.581 CM 1.581 MR 1.659 CM	0.436 MR 0.181 CM 2.000 PC	-0.769	0.976		
		0.7125 3.3028 -0.6282 -1.5084	-4.0888 1.5263 -1.6031 0.3538	0.6901	0.2311		
•DRIFT•	3.	6.00000 FT					
253.796 FT		-3.6183 0.0000 253.7502 FT	-39.618 0.000 0.000 MR				
		3.364 CM 1.581 MR 1.737 CM	0.436 MR 0.181 CM 2.000 PC	-0.733	0.978		
		0.5977 3.0269 -0.6282 -1.5084	-4.3820 1.5910 -1.6031 0.3538	0.7323	0.2311		
•DRIFT•	3.	0.22900 FT					
254.025 FT		-3.6274 0.0000 253.9790 FT	-39.618 0.000 0.000 MR				
		3.356 CM 1.581 MR 1.740 CM	0.436 MR 0.181 CM 2.000 PC	-0.732	0.978		
		0.5933 3.0164 -0.6282 -1.5084	-4.3932 1.5935 -1.6031 0.3538	0.7339	0.2311		
•DRIFT•	3.	2.40300 FT					
256.428 FT		-3.7226 0.0000 256.3801 FT	-39.618 0.000 0.000 MR				
		3.272 CM 1.581 MR 1.771 CM	0.436 MR 0.181 CM 2.000 PC	-0.715	0.979		
		0.5473 2.9059 -0.6282 -1.5084	-4.5106 1.6194 -1.6031 0.3538	0.7509	0.2311		
•DUAN•	5.	"Q7 "	10.00000 FT -4.50248 KG 2,54000 CM (-79.37672 FT)				
266.428 FT		-4.1186 0.0000 266.3723 FT	-39.618 0.000 0.000 MR				
		3.143 CM 1.184 MR 1.791 CM	0.313 MR 0.181 CM 2.000 PC	0.236	-0.959		
		0.3859 2.6178 -0.4412 -0.4014	-4.7137 1.6262 0.2841 -0.3101	0.8696	0.5558		
•DRIFT•	3.	2.62500 FT					
269.053 FT		-4.2226 0.0000 268.9952 FT	-39.618 0.000 0.000 MR				
		3.167 CM 1.184 MR 1.767 CM	0.313 MR 0.181 CM 2.000 PC	0.264	-0.958		
		0.3506 2.5857 -0.4412 -0.4014	-4.6910 1.6013 0.2841 -0.3101	0.9140	0.5558		
•DRIFT•	3.	0.00000 FT					
269.053 FT		-4.2226 0.0000 268.9952 FT	-39.618 0.000 0.000 MR				
		3.167 CM 1.184 MR 1.767 CM	0.313 MR 0.181 CM 2.000 PC	0.264	-0.958		
		0.3506 2.5857 -0.4412 -0.4014	-4.6910 1.6013 0.2841 -0.3101	0.9140	0.5558		
•DRIFT•	3.	94.07600 FT					
363.129 FT		-7.9487 0.0000 362.9974 FT	-39.618 0.000 0.000 MR				
		5.219 CM 1.184 MR 0.942 CM	0.313 MR 0.181 CM 2.000 PC	0.811	-0.842		
		-0.9144 1.4347 -0.4412 -0.4014	-3.8765 0.7120 0.2841 -0.3101	2.5078	0.5558		
•DRIFT•	3.	0.00000 FT					
363.129 FT		-7.9487 0.0000 362.9974 FT	-39.618 0.000 0.000 MR				
		5.219 CM 1.184 MR 0.942 CM	0.313 MR 0.181 CM 2.000 PC	0.811	-0.842		
		-0.9144 1.4347 -0.4412 -0.4014	-3.8765 0.7120 0.2841 -0.3101	2.5078	0.5558		
•DRIFT•	3.	7.26000 FT					
370.389 FT		-8.2363 0.0000 370.2517 FT	-39.618 0.000 0.000 MR				
		5.433 CM 1.184 MR 0.884 CM	0.313 MR 0.181 CM 2.000 PC	0.827	-0.819		
		-1.0120 1.3458 -0.4412 -0.4014	-3.8136 0.6434 0.2841 -0.3101	2.6308	0.5558		
•DRIFT•	3.	0.11500 FT					
370.504 FT		-8.2408 0.0000 370.3666 FT	-39.618 0.000 0.000 MR				
		5.437 CM 1.184 MR 0.883 CM	0.313 MR 0.181 CM 2.000 PC	0.827	-0.819		
		-1.0136 1.3444 -0.4412 -0.4014	-3.8126 0.6423 0.2841 -0.3101	2.6328	0.5558		
•DRIFT•	3.	3.00000 FT					
373.504 FT		-8.3596 0.0000 373.3643 FT	-39.618 0.000 0.000 MR				
		5.527 CM 1.184 MR 0.860 CM	0.313 MR 0.181 CM 2.000 PC	0.833	-0.837		
		-1.0539 1.3077 -0.4412 -0.4014	-3.7866 0.6140 0.2841 -0.3101	2.6836	0.5558		
•DRIFT•	3.	0.11500 FT					
373.619 FT		-8.3642 0.0000 373.4792 FT	-39.618 0.000 0.000 MR				
		5.530 CM 1.184 MR 0.859 CM	0.313 MR 0.181 CM 2.000 PC	0.834	-0.837		
		-1.0555 1.3063 -0.4412 -0.4014	-3.7857 0.6129 0.2841 -0.3101	2.6855	0.5558		
•DRIFT•	3.	26.71800 FT					

4000.337

"9.4224 0.0000 400.1762 FT -39.618 0.0000 MR
 6.356 CM 0.164 MR 0.671 0.313 MR 0.181 CM 0.0000 PC
 "1.4147 0.9794 -0.4112 -0.4014 -3.5543 0.3673 0.2841 -0.3101 3.1382 0.5558
 "1.4147 0.9794 -0.4112 -0.4014 2.54000 CM (127.7867 FT)

QUAD 5. "08. " 7.00200 FT 4.11593 KG 0.0000 407.1707 FT -39.618 0.0000 MR
 6.422 CM 0.833 MR 0.671 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.4691 0.8676 -0.6658 -0.6418 -3.5919 0.3035 -0.6376 -0.2245 3.1693 -0.2652

DRIFT 3. 4.22820 FT 0.0000 411.3874 FT -39.618 0.0000 MR
 9.8668 0.0000 0.633 MR 0.645 CM 0.246 MR 0.181 CM 0.0000 PC
 6.324 CM 0.833 MR 0.6418 0.2746 -0.6376 -0.2245 3.1352 -0.2652

QUAD 5. "09. " 4.33300 FT 0.0000 400.0000 KC 2.54000 CM (0.000000 FT)
 "12.0384 0.0000 415.7170 FT -39.618 0.0000 0.0000 MR
 6.244 CM 0.833 MR 0.646 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.4062 0.7003 -0.2658 -0.6418 -3.7581 0.2450 -0.6376 -0.2245 3.1302 -0.2652

DRIFT 3. 1.41020 FT 0.0000 417.1259 FT -39.618 0.0000 MR
 "10.0943 0.0000 0.833 MR 0.646 CM 0.246 MR 0.181 CM 0.0000 PC
 6.219 CM 0.833 MR 0.6418 0.2353 -0.6376 -0.2245 3.0888 -0.2652

QUAD 5. "010" 4.33300 FT 0.0000 400.0000 KC 2.54000 CM (0.000000 FT)
 "1.4691 0.6727 -0.2658 -0.6418 0.246 MR 0.181 CM 0.0000 PC
 6.140 CM 0.833 MR 0.649 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.4978 0.5879 -0.2658 -0.6418 -3.8697 0.2057 -0.6376 -0.2245 3.0538 -0.2652

DRIFT 3. 6.25000 FT 0.0000 421.4555 FT -39.618 0.0000 MR
 6.029 CM 0.833 MR 0.655 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5123 0.4657 -0.2658 -0.6418 -3.9911 0.1629 -0.6376 -0.2245 3.0033 -0.2652

DRIFT 3. "027" 427.863 FT 0.0000 427.7006 FT -39.618 0.0000 MR
 6.029 CM 0.833 MR 0.659 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5134 0.4168 -0.2658 -0.6418 -4.0397 0.1458 -0.6376 -0.2245 3.0033 -0.2652

DRIFT 3. 10.6125 0.0000 430.1986 FT -39.618 0.0000 MR
 5.986 CM 0.833 MR 0.659 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5153 0.4168 -0.2658 -0.6418 -4.0397 0.1458 -0.6376 -0.2245 3.0033 -0.2652

DRIFT 3. 10.46900 FT 0.0000 440.6594 FT -39.618 0.0000 MR
 5.806 CM 0.833 MR 0.679 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5363 0.2120 -0.0658 -0.6418 -4.2432 0.0742 -0.6376 -0.2245 2.9831 -0.2652

DRIFT 3. 2.29200 FT 0.0000 440.9512 FT -39.618 0.0000 MR
 "11.0271 0.0000 440.6594 FT -39.618 0.0000 MR
 5.806 CM 0.833 MR 0.679 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5369 0.2063 -0.0658 -0.6418 -4.2489 0.0722 -0.6376 -0.2245 2.8961 -0.2652

DRIFT 3. "0367" 11.0367 0.0000 440.9512 FT -39.618 0.0000 MR
 5.801 CM 0.833 MR 0.679 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5369 0.2063 -0.0658 -0.6418 -4.2489 0.0722 -0.6376 -0.2245 2.8961 -0.2652

DRIFT 3. "045" 11.1971 0.0000 444.9481 FT -39.618 0.0000 0.0000 MR
 5.734 CM 0.833 MR 0.689 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5449 0.1280 -0.0658 -0.6418 -4.3266 0.0448 -0.6376 -0.2245 2.8637 -0.2652

DRIFT 3. 6.29300 FT 0.0000 445.2408 FT -39.618 0.0000 0.0000 MR
 5.729 CM 0.833 MR 0.690 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5455 0.1223 -0.0658 -0.6418 -4.3323 0.0428 -0.6376 -0.2245 2.8614 -0.2652

DRIFT 3. 0.83000 FT 0.0000 446.0702 FT -39.618 0.0000 0.0000 MR
 "11.2287 0.0000 446.0702 FT -39.618 0.0000 0.0000 MR
 5.716 CM 0.833 MR 0.692 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5472 0.1060 -0.0658 -0.6418 -4.3484 0.0371 -0.6376 -0.2245 2.8547 -0.2652

DRIFT 3. 0.23000 FT 0.0000 446.3000 FT -39.618 0.0000 0.0000 MR
 "11.2507 0.0000 446.3000 FT -39.618 0.0000 0.0000 MR
 5.712 CM 0.833 MR 0.693 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5476 0.1015 -0.0658 -0.6418 -4.3529 0.0355 -0.6376 -0.2245 2.8528 -0.2652

DRIFT 3. 4.00000 FT 0.0000 450.2969 FT -39.618 0.0000 0.0000 MR
 "11.4091 0.0000 450.2969 FT -39.618 0.0000 0.0000 MR
 5.646 CM 0.833 MR 0.705 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5557 0.0233 -0.0658 -0.6418 -4.4306 0.0081 -0.6376 -0.2245 2.8205 -0.2652

DRIFT 3. 2.23000 FT 0.0000 450.497 FT -39.618 0.0000 0.0000 MR
 "11.4091 0.0000 450.497 FT -39.618 0.0000 0.0000 MR
 5.646 CM 0.833 MR 0.705 CM 0.246 MR 0.181 CM 0.0000 PC
 "1.5557 0.0233 -0.0658 -0.6418 -4.4306 0.0081 -0.6376 -0.2245 2.8205 -0.2652

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450.727 FT		-11.4182 0.0000 450.5267 FT	-39.618 0.000 0.000 MR			
		5.643 CM 0.833 MR 0.705 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.5561 0.0108 -0.0658 -0.6418	-4.4351 0.0066 -0.6376 -0.2245			
DRIFT	3.	0.96000 FT				
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR			
		5.627 CM 0.833 MR 0.708 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.5580 -0.0000 -0.0658 -0.6418	-4.4537 0.0000 -0.6376 -0.2245			
DRIFT	3.	"1F "	0.00000 FT			
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR			
		5.627 CM 0.833 MR 0.708 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.5580 -0.0000 -0.0658 -0.6418	-4.4537 0.0000 -0.6376 -0.2245			
DRIFT	3.	"PM1 "	0.00000 FT			
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR			
		5.627 CM 0.833 MR 0.708 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.5580 -0.0000 -0.0658 -0.6418	-4.4537 0.0000 -0.6376 -0.2245			
DRIFT	3.	"LC1 "	0.00000 FT			
451.687 FT		-11.4563 0.0000 451.4859 FT	-39.618 0.000 0.000 MR			
		5.627 CM 0.833 MR 0.708 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.5580 -0.0000 -0.0658 -0.6418	-4.4537 0.0000 -0.6376 -0.2245			
DRIFT	3.	3.51500 FT				
455.232 FT		-11.5955 0.0000 454.9982 FT	-39.618 0.000 0.000 MR			
		5.571 CM 0.833 MR 0.719 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.5651 -0.0688 -0.0658 -0.6418	-4.5220 -0.0241 -0.6376 -0.2245			
DRIFT	3.	"DIK3"	0.00000 FT			
455.202 FT		-11.5955 0.0000 454.9982 FT	-39.618 0.000 0.000 MR			
		5.571 CM 0.833 MR 0.719 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.5651 -0.0688 -0.0658 -0.6418	-4.5220 -0.0241 -0.6376 -0.2245			
DRIFT	3.	195.15800 FT				
650.360 FT		-19.3252 0.0000 650.0030 FT	-39.618 0.000 0.000 MR			
		4.584 CM 0.833 MR 1.896 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9566 -3.8666 -0.0658 -0.6418	-8.3146 -1.3597 -0.6376 -0.2245			
DRIFT	3.	"DIK4"	0.00000 FT			
650.360 FT		-19.3252 0.0000 650.0030 FT	-39.618 0.000 0.000 MR			
		4.584 CM 0.833 MR 1.896 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9566 -3.8666 -0.0658 -0.6418	-8.3146 -1.3597 -0.6376 -0.2245			
DRIFT	3.	5.01000 FT				
655.370 FT		-19.5236 0.0000 655.0091 FT	-39.618 0.000 0.000 MR			
		4.626 CM 0.833 MR 1.932 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9666 -3.9846 -0.0658 -0.6418	-8.4120 -1.3939 -0.6376 -0.2245			
DRIFT	3.	0.23000 FT				
655.620 FT		-19.5327 0.0000 655.2389 FT	-39.618 0.000 0.000 MR			
		4.628 CM 0.833 MR 1.933 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9671 -3.9891 -0.0658 -0.6418	-8.4165 -1.3955 -0.6376 -0.2245			
DRIFT	3.	"C7V "	4.00000 FT			
659.620 FT		-19.6911 0.0000 659.2358 FT	-39.618 0.000 0.000 MR			
		4.664 CM 0.833 MR 1.962 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9751 -4.0674 -0.0658 -0.6418	-8.4942 -1.4229 -0.6376 -0.2245			
DRIFT	3.	0.23000 FT				
659.830 FT		-19.7002 0.0000 659.4656 FT	-39.618 0.000 0.000 MR			
		4.666 CM 0.833 MR 1.963 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9756 -4.0719 -0.0658 -0.6418	-8.4987 -1.4245 -0.6376 -0.2245			
DRIFT	3.	1.50000 FT				
661.330 FT		-19.7597 0.0000 660.9644 FT	-39.618 0.000 0.000 MR			
		4.680 CM 0.833 MR 1.974 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9786 -4.1012 -0.0658 -0.6418	-8.5278 -1.4347 -0.6376 -0.2245			
DRIFT	3.	2.50000 FT				
663.830 FT		-19.8587 0.0000 663.4625 FT	-39.618 0.000 0.000 MR			
		4.704 CM 0.833 MR 1.992 CM	0.246 MR 0.181 CM 2.000 PC			
		-1.9836 -4.1501 -0.0658 -0.6418	-8.5764 -1.4518 -0.6376 -0.2245			
DRIFT	3.	1.50000 FT				

-19.9181	0.0000	664,9613 FT	-39.618	0.000	0.000 MR			
4.719 CM	0.833 MR	2.000 CM	0.246 MR	0.181 CM	2.000 PC	0.31	0.947	
-1.9866	-4.1795	-0.0658 -0.6418	-8.6055	-1.4621 -0.6376	-0.2245	1.0841	-0.2652	
DRIFT	3.	"V5 "	2.50000 FT					
667.830 FT			-20.0171 0.0000	667,4593 FT	-39.618 0.000	0.000 MR		
			4.744 CM	0.833 MR	2.020 CM	0.246 MR	0.181 CM	2.000 PC
			-1.9916	-4.2284	-0.0658 -0.6418	-8.6541	-1.4792 -0.6376	-0.2245
DRIFT	3.		2.49000 FT					
670.320 FT			-20.1157 0.0000	669,9474 FT	-39.618 0.000	0.000 MR		
			4.770 CM	0.833 MR	2.038 CM	0.246 MR	0.181 CM	2.000 PC
			-1.9966	-4.2771	-0.0660 -0.6421	-8.7025	-1.4963 -0.6370	-0.2244
ROTAT	2.		4.57275 MR					
670.320 FT			-20.1157 0.0000	669,9474 FT	-39.618 0.000	0.000 MR		
			4.770 CM	0.833 MR	2.038 CM	0.246 MR	0.181 CM	2.000 PC
			-1.9966	-4.2771	-0.0660 -0.6421	-8.7025	-1.4963 -0.6370	-0.2244
BEND	4.	"B9 "	19.91667 FT	20.10081 KG	0.00000	(2177,761 FT , 9.145 MR)		
690.237 FT			-20.9956 0.0000	689,8445 FT	-48.763 0.000	0.000 MR		
			5.020 CM	0.730 MR	2.180 CM	0.246 MR	0.144 CM	2.000 PC
			-2.0366	-4.6667	-0.0657 -0.6415	-9.0892	-1.6325 -0.6370	-0.2244
ROTAT	2.		4.57275 MR					
690.237 FT			-20.9956 0.0000	689,8445 FT	-48.763 0.000	0.000 MR		
			5.020 CM	0.730 MR	2.180 CM	0.246 MR	0.144 CM	2.000 PC
			-2.0366	-4.6667	-0.0658 -0.6418	-9.0892	-1.6325 -0.6364	-0.2243
DRIFT	3.		1.29000 FT					
691.527 FT			-21.0584 0.0000	691,1330 FT	-48.763 0.000	0.000 MR		
			5.038 CM	0.730 MR	2.190 CM	0.246 MR	0.144 CM	2.000 PC
			-2.0392	-4.6920	-0.0660 -0.6422	-9.1142	-1.6413 -0.6357	-0.2242
ROTAT	2.		4.57275 MR					
691.527 FT			-21.0584 0.0000	691,1330 FT	-48.763 0.000	0.000 MR		
			5.038 CM	0.730 MR	2.190 CM	0.246 MR	0.144 CM	2.000 PC
			-2.0392	-4.6920	-0.0660 -0.6422	-9.1142	-1.6413 -0.6357	-0.2242
BEND	4.	"B10 "	19.91667 FT	20.10081 KG	0.00000	(2177,761 FT , 9.145 MR)		
711.443 FT			-22.1202 0.0000	711,0213 FT	-57.909 0.000	0.000 MR		
			5.354 CM	0.662 MR	2.333 CM	0.246 MR	0.107 CM	2.000 PC
			-2.0791	-5.0816	-0.0657 -0.6415	-9.5001	-1.7774 -0.6357	-0.2242
ROTAT	2.		4.57275 MR					
711.443 FT			-22.1202 0.0000	711,0213 FT	-57.909 0.000	0.000 MR		
			5.354 CM	0.663 MR	2.333 CM	0.246 MR	0.107 CM	2.000 PC
			-2.0791	-5.0816	-0.0658 -0.6418	-9.5001	-1.7774 -0.6351	-0.2241
DRIFT	3.		1.31000 FT					
712.753 FT			-22.1960 0.0000	712,3291 FT	-57.909 0.000	0.000 MR		
			5.376 CM	0.663 MR	2.342 CM	0.246 MR	0.107 CM	2.000 PC
			-2.0817	-5.1072	-0.0660 -0.6422	-9.5255	-1.7864 -0.6351	-0.2241
ROTAT	2.		4.57275 MR					
712.753 FT			-22.1960 0.0000	712,3291 FT	-57.909 0.000	0.000 MR		
			5.376 CM	0.663 MR	2.342 CM	0.246 MR	0.107 CM	2.000 PC
			-2.0817	-5.1072	-0.0660 -0.6422	-9.5255	-1.7864 -0.6344	-0.2240
BEND	4.	"B11 "	19.91667 FT	20.10081 KG	0.00000	(2177,761 FT , 9.145 MR)		
732.670 FT			-23.4396 0.0000	732,2068 FT	-67.054 0.000	0.000 MR		
			5.735 CM	0.642 MR	2.486 CM	0.246 MR	0.080 CM	2.000 PC
			-2.1217	-5.4968	-0.0657 -0.6414	-9.9106	-1.9223 -0.6344	-0.2240
ROTAT	2.		4.57275 MR					
732.670 FT			-23.4396 0.0000	732,2068 FT	-67.054 0.000	0.000 MR		
			5.735 CM	0.642 MR	2.486 CM	0.245 MR	0.080 CM	2.000 PC
			-2.1217	-5.4968	-0.0658 -0.6418	-9.9106	-1.9223 -0.6337	-0.2238
DRIFT	3.		1.36000 FT					
734.230 FT			-23.5308 0.0000	733,5637 FT	-67.054 0.000	0.000 MR		
			5.761 CM	0.642 MR	2.495 CM	0.245 MR	0.080 CM	2.000 PC
			-2.1244	-5.5234	-0.0658 -0.6418	-9.9369	-1.9316 -0.6337	-0.2238
ROTAT	2.		4.57275 MR					

734.030 FT		-23.5308 0.0000 733.5637 FT	-67.054 0.000 0.000 MR	0.245 MR 0.000 CM 2.000 PC	0.967 0.966
5.761 CM	0.0.643 MR	2.495 CM	0.245 MR 0.000 CM 2.000 PC	0.8209 0.2392	
-2.124 -5.5234	-0.0660	-0.6422	-9.9369 -1.9316 -0.6330 -0.2237	0.9330 0.945 MR	
-19.91667 FT	20.10081 KG	0.0000	{ 2177.761 FT }	9.145 MR	
QUAD	753.947 FT	0.0000 753.4293 FT	-76.200 0.000 MR	0.200 CH 2.000 PC	0.969 0.969
6.154 CM	0.0.672 MR	2.640 CM	0.245 MR 0.080 CM 2.000 PC	0.8342 0.1236	
-2.164 -5.9131	-0.0657	-0.6414	-10.3212 -2.0674 -0.6330 -0.2237	0.6330 0.63342	
4.57275 MR					
ROTAT	2°				
753.947 FT	-24.9561 0.0000 753.4293 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.999 0.969	
6.154 CM	0.0.673 MR	2.640 CM	0.245 MR 0.080 CM 2.000 PC	0.8342 0.1066	
-2.164 -5.9131	-0.0658	-0.6418	-10.3212 -2.0674 -0.6323 -0.2235	0.6323 0.8342	
DRIFT	3°				
756.957 FT	3.01020 FT	-25.1852 0.0000 756.4305 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.999 0.970
6.215 CM	0.0.673 MR	2.661 CM	0.245 MR 0.080 CM 2.000 PC	0.8435 0.1026	
-2.172 -5.9119	-0.0658	-0.6418	-10.3792 -2.0879 -0.6323 -0.2235	0.6323 0.8435	
QUAD	766.957 FT	10.0000 FT 5.05987 KG	2.54200 CM { 73.78869 FT)	0.000 0.020 MR	
-25.9455 0.0000 766.4015 FT	-76.200 0.000 MR	2.54000 CM { 73.78869 FT)	0.000 0.020 MR		
5.909 CM	2.138 MR	2.922 CM	1.495 MR 0.080 CM 2.000 PC	-1.370 0.999	
-2.0412 -5.7537	-0.9037	-2.0575	-11.3046 -2.3041 -5.5103 -1.2115	-1.2115 0.8156	-0.2813
DRIFT	3°				
768.457 FT	1.50000 FT	-26.0600 0.0000 767.8972 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.999 0.999
5.892 CM	0.0.673 MR	2.991 CM	1.495 MR 0.080 CM 2.000 PC	-1.000 0.000	
-1.999 -5.6596	-0.9037	-2.0575	-11.5565 -2.3595 -5.5100 -1.2115	-1.2115 0.8028	-0.2813
QUAD	778.457 FT	10.03200 FT 5.05987 KG	2.54000 CM { 73.78869 FT)	0.000 0.020 MR	
-26.8220 0.0000 777.8681 FT	-76.200 0.000 MR	2.54000 CM { 73.78869 FT)	0.000 0.020 MR		
4.851 CM	4.611 MR	3.666 CM	2.992 MR 0.080 CM 2.000 PC	-1.000 1.000	
-1.5937 -4.6589	1.7310	4.4328	-14.0859 -2.9029 -11.2780	-11.2780 0.6642	-0.9189
DRIFT	3°				
779.957 FT	1.50000 FT	-26.9361 0.0000 779.3638 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.999 0.999
4.640 CM	4.611 MR	3.803 CM	2.992 MR 0.080 CM 2.000 PC	-1.000 0.000	
-1.5145 -4.4562	1.7310	4.4328	-14.6015 -3.0124 -11.2780 -2.3952	-11.2780 0.6357	-0.6189
QUAD	784.957 FT	5.02000 FT -4.91839 KG	2.54000 CM { 73.50694 FT)	0.000 0.020 MR	
-27.3168 0.0000 784.3493 FT	-76.200 0.000 MR	2.54000 CM { 73.50694 FT)	0.000 0.020 MR		
4.012 CM	3.657 MR	4.193 CM	2.105 MR 0.080 CM 2.000 PC	-1.000 1.000	
-1.2748 -3.8522	1.4234	3.5166	-16.0652 -3.3248 -7.8771	-7.8771 0.5516	-0.4680
DRIFT	3°				
786.457 FT	1.50000 FT	-27.4310 0.0000 785.8449 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.999 0.999
3.845 CM	3.657 MR	4.289 CM	2.105 MR 0.080 CM 2.000 PC	-1.000 0.000	
-1.2098 -3.6914	1.4234	3.5166	-16.4254 -3.4022 -7.8771	-7.8771 0.5292	-0.4880
QUAD	796.457 FT	13.00000 FT -4.91839 KG	2.54000 CM { 72.52768 FT)	0.000 0.020 MR	
-28.1922 0.0000 795.8159 FT	-76.200 0.000 MR	2.54000 CM { 72.52768 FT)	0.000 0.020 MR		
2.968 CM	2.167 MR	4.630 CM	0.115 MR 0.080 CM 2.000 PC	-1.000 0.955	
-0.8486 -2.8470	0.9732	2.0865	-17.6778 -3.6797 -0.2485	-0.2485 0.4132	-0.2819
DRIFT	3°				
797.957 FT	1.50000 FT	-28.3264 0.0000 797.3116 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.999 0.955
2.869 CM	2.167 MR	4.635 CM	0.115 MR 0.080 CM 2.000 PC	-1.000 0.955	
-0.8041 -2.7516	0.9732	2.0865	-17.6892 -3.6847 -0.2485	-0.2485 0.4083	-0.2819
QUAD	810.677 FT	10.02000 FT -4.91839 KG	2.54000 CM { 72.52768 FT)	0.000 0.020 MR	
-29.0671 0.0000 807.2825 FT	-76.200 0.000 MR	2.54000 CM { 72.52768 FT)	0.000 0.020 MR		
2.389 CM	1.019 MR	4.359 CM	1.902 MR 0.080 CM 2.000 PC	-0.996 1.000	
-0.5556 -2.2888	0.6758	0.9841	-16.5841 -3.4713 -7.4183	-7.4183 0.3398	-0.1226
DRIFT	3°				
810.677 FT	-29.2747 0.0000 809.9946 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.996 1.022	
2.375 CM	1.019 MR	4.202 CM	1.902 MR 0.080 CM 2.000 PC	-0.996 1.022	
-0.4995 -2.2072	0.6758	0.9841	-15.9699 -3.3476 -7.4183	-7.4183 0.3298	-0.1226
DRIFT	3°	"01K5"			
820.000 FT	-29.2747 0.0000 809.9946 FT	-76.200 0.000 MR	0.245 MR 0.080 CM 2.000 PC	0.996 1.022	
2.375 CM	1.019 MR	4.202 CM	1.902 MR 0.080 CM 2.000 PC	-0.996 1.022	
-0.4995 -2.2072	0.6758	0.9841	-15.9699 -3.3476 -7.4183	-7.4183 0.3298	-0.1226
DRIFT	3°				

882.886		-34.7717 0.0000 0.209 CM 1.019 MR 0.0 CM 0.9878 -0.0414 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 0.3580 -0.0628 7.4183 1.4925	-0.2 -0.165 0.0657 -0.1200
DRIFT	3.	"DIK6"	0.00000 FT	
882.886 FT		-34.7717 0.0000 881.9941 FT 0.209 CM 1.019 MR 0.085 CM 0.9878 -0.0414 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 0.3580 -0.0628 7.4183 1.4925	-0.263 -0.165 0.0657 -0.1200
DRIFT	3.		1.38000 FT	
884.266 FT		-34.8768 0.0000 883.3701 FT 0.202 CM 1.019 MR 0.107 CM 1.0162 0.0000 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 0.6701 0.0000 7.4183 1.4925	-0.057 0.620 0.0606 -0.1200
DRIFT	3.	"2F "	0.00000 FT	
884.266 FT		-34.8768 0.0000 883.3701 FT 0.202 CM 1.019 MR 0.107 CM 1.0162 0.0000 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 0.6701 0.0000 7.4183 1.4925	-0.057 0.620 0.0606 -0.1200
DRIFT	3.	"PM2 "	0.00000 FT	
884.266 FT		-34.8768 0.0000 883.3701 FT 0.202 CM 1.019 MR 0.107 CM 1.0162 0.0000 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 0.6701 0.0000 7.4183 1.4925	-0.057 0.620 0.0606 -0.1200
DRIFT	3.		0.72000 FT	
884.986 FT		-34.9316 0.0000 884.0880 FT 0.202 CM 1.019 MR 0.136 CM 1.0310 0.0216 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 0.8329 0.0328 7.4183 1.4925	0.054 0.790 0.0580 -0.1200
DRIFT	3.	"CBH "	4.00000 FT	
888.986 FT		-35.2361 0.0000 888.0764 FT 0.243 CM 1.019 MR 0.350 CM 1.1134 0.1416 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 1.7373 0.2147 7.4183 1.4925	0.556 0.971 0.0434 -0.1200
DRIFT	3.		0.90000 FT	
889.886 FT		-35.3046 0.0000 888.9738 FT 0.259 CM 1.019 MR 0.401 CM 1.1320 0.1686 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 1.9408 0.2557 7.4183 1.4925	0.628 0.978 0.0401 -0.1200
DRIFT	3.	"LC2 "	0.00000 FT	
889.886 FT		-35.3046 0.0000 888.9738 FT 0.259 CM 1.019 MR 0.401 CM 1.1320 0.1686 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 1.9408 0.2557 7.4183 1.4925	0.628 0.978 0.0401 -0.1200
DRIFT	3.		1.00000 FT	
890.886 FT		-35.3807 0.0000 889.9709 FT 0.280 CM 1.019 MR 0.458 CM 1.1526 0.1986 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 2.1669 0.3011 7.4183 1.4925	0.693 0.983 0.0364 -0.1200
ROTAT	2.		0.00000 MR	
890.586 FT		-35.3807 0.0000 889.9709 FT 0.280 CM 1.019 MR 0.458 CM 1.1526 0.1986 0.6758 0.9841	-76.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 2.1669 0.3011 7.4183 1.4925	0.693 0.983 0.0364 -0.1200
BEND	4.	"B13 "	19.91667 FT 26.37613 KG	0.00000 (1659.635 FT . 12.001 MR)
910.802 FT		-37.0160 0.0000 909.8202 FT 0.834 CM 0.992 MR 1.607 CM 1.5627 0.7959 0.6755 0.9839	-88.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 6.6702 1.2072 7.4183 1.4925	0.981 0.999 0.0000 0.0000
ROTAT	2.		0.00000 MR	
910.802 FT		-37.0160 0.0000 909.8202 FT 0.834 CM 0.992 MR 1.607 CM 1.5627 0.7959 0.6755 0.9839	-88.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 6.6702 1.2072 7.4183 1.4925	0.981 0.999 0.0000 0.0000
DRIFT	3.		6.81000 FT	
917.612 FT		-37.6159 0.0000 916.6037 FT 1.036 CM 0.992 MR 2.001 CM 1.7029 1.0002 0.6755 0.9839	-88.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 8.2100 1.5170 7.4183 1.4925	0.988 0.999 0.0000 0.0000
DRIFT	3.	"V6 "	2.50000 FT	
920.112 FT		-37.8361 0.0000 919.0940 FT 1.111 CM 0.992 MR 2.146 CM 1.7544 1.0751 0.6755 0.9839	-88.200 0.000 0.000 MR 1.902 MR 0.080 CM 2.000 PC 8.7753 1.6307 7.4183 1.4925	0.989 0.999 0.0002 0.0000
DRIFT	3.	"PAR "	86.45800 FT	

1026.570 FT		-45.4518 0.0000 1005.2159 FT	-88.200 0.000 0.000 MR				
		3.711 CM 0.992 MR 7.158 CM	1.902 MR 0.080 CM 2.000 PC	0.999	1.000		
		3.5344 3.6681 0.6755 0.9839	28.3242 5.5637 7.4183 1.4925	0.0000	0.0200		
QUAD	5.	"015 "	10.00000 FT -4.26383 KG	2.54000 CM (-83.91022 FT)			
1016.570 FT		-46.3327 0.0000 1015.1770 FT	-88.200 0.000 0.000 MR				
		4.237 CM 2.499 MR 7.312 CM	0.900 MR 0.080 CM 2.000 PC	1.000	-1.020		
		3.9529 4.1903 2.0972 2.4762	28.9022 5.6878 -3.6625 -0.6861	0.0000	0.0200		
DRIFT	3.	"016 "	4.62000 FT				
1021.190 FT		-46.7397 0.0000 1019.7791 FT	-88.200 0.000 0.000 MR				
		4.589 CM 2.499 MR 7.186 CM	0.900 MR 0.080 CM 2.000 PC	1.000	-1.022		
		4.2482 4.5390 2.0972 2.4762	28.3865 5.5911 -3.6625 -0.6861	0.0000	0.0200		
QUAD	5.	"016 "	10.00000 FT -4.26383 KG	2.54000 CM (-83.91022 FT)			
1031.190 FT		-47.6205 0.0000 1029.7402 FT	-88.200 0.000 0.000 MR				
		5.636 CM 4.442 MR 6.501 CM	3.550 MR 0.080 CM 2.000 PC	1.000	-1.020		
		5.1506 5.5764 3.8820 4.3970	25.6489 5.0625 -14.1253 -2.7490	0.0000	0.0200		
DRIFT	3.	"011 "	1.54000 FT				
1032.730 FT.		-47.7562 0.0000 1031.2742 FT	-88.200 0.000 0.000 MR				
		5.645 CM 4.442 MR 6.334 CM	3.550 MR 0.080 CM 2.000 PC	1.000	-1.022		
		5.3329 5.7828 3.8820 4.3970	24.9859 4.9334 -14.1253 -2.7490	0.0000	0.0200		
QUAD	5.	"017 "	10.00000 FT 3.55423 KG	2.54000 CM (104.32114 FT)			
1042.730 FT		-48.6370 0.0000 1041.2354 FT	-88.200 0.000 0.000 MR				
		6.894 CM 2.388 MR 5.546 CM	1.666 MR 0.080 CM 2.000 PC	1.000	-1.020		
		6.2393 6.8219 2.0173 2.3659	21.8373 4.3242 -6.7017 -1.2813	0.0000	0.0200		
DRIFT	3.	"012 "	4.66600 FT				
1047.396 FT		-49.0480 0.0000 1045.8832 FT	-88.200 0.000 0.000 MR				
		7.233 CM 2.388 MR 5.309 CM	1.666 MR 0.080 CM 2.000 PC	1.000	-1.020		
		6.5262 7.1584 2.0173 2.3659	20.8842 4.1419 -6.7017 -1.2813	0.0000	0.0200		
QUAD	5.	"018 "	10.00000 FT 3.55423 KG	2.54000 CM (104.32114 FT)			
1057.396 FT		-49.9289 0.0000 1055.8443 FT	-88.200 0.000 0.000 MR				
		7.600 CM 0.021 MR 5.053 CM	0.039 MR 0.080 CM 2.000 PC	-0.128	-0.295		
		6.8158 7.5220 -0.1327 0.0003	19.8339 3.9485 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.		3.33000 FT				
1060.726 FT		-50.2222 0.0000 1059.1614 FT	-88.200 0.000 0.000 MR				
		7.599 CM 0.021 MR 5.051 CM	0.039 MR 0.080 CM 2.000 PC	-0.127	-0.295		
		6.8023 7.5220 -0.1327 0.0003	19.8089 3.9486 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.	"PM3 "	0.00000 FT				
1060.726 FT		-50.2222 0.0000 1059.1614 FT	-88.200 0.000 0.000 MR				
		7.599 CM 0.021 MR 5.051 CM	0.039 MR 0.080 CM 2.000 PC	-0.127	-0.295		
		6.8023 7.5220 -0.1327 0.0003	19.8089 3.9486 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.	"K1 "	53.00000 FT				
1113.726 FT		-54.8928 0.0000 1111.9554 FT	-88.200 0.000 0.000 MR				
		7.595 CM 0.021 MR 5.014 CM	0.039 MR 0.080 CM 2.000 PC	-0.123	-0.286		
		6.5880 7.5225 -0.1327 0.0003	19.4114 3.9509 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.		3.14100 FT				
1116.867 FT		-55.1675 0.0000 1115.0842 FT	-88.200 0.000 0.000 MR				
		7.595 CM 0.021 MR 5.011 CM	0.039 MR 0.080 CM 2.000 PC	-0.123	-0.286		
		6.5753 7.5225 -0.1327 0.0003	19.3878 3.9510 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.	"K2 "	53.00000 FT				
1169.867 FT		-59.8360 0.0000 1167.8782 FT	-88.200 0.000 0.000 MR				
		7.591 CM 0.021 MR 4.975 CM	0.039 MR 0.080 CM 2.000 PC	-0.118	-0.278		
		6.3610 7.5231 -0.1327 0.0003	18.9902 3.9534 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.		3.43000 FT				
1173.297 FT		-60.1381 0.0000 1171.2948 FT	-88.200 0.000 0.000 MR				
		7.590 CM 0.021 MR 4.972 CM	0.039 MR 0.080 CM 2.000 PC	-0.118	-0.277		
		6.3471 7.5231 -0.1327 0.0003	18.9645 3.9535 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.	"PM4 "	0.00000 FT				
1173.297 FT		-60.1381 0.0000 1171.2948 FT	-88.200 0.000 0.000 MR				
		7.590 CM 0.021 MR 4.972 CM	0.039 MR 0.080 CM 2.000 PC	-0.118	-0.277		
		6.3471 7.5231 -0.1327 0.0003	18.9645 3.9535 -0.2461 0.0014	0.0000	0.0200		
DRIFT	3.		3.80000 FT				

1177.097

DRIFT 3. 4729 0.0000 1175.0601 FT -88.200 0.000 MR
 7.590 CM 0.0.021 MR 4.97 M 0.039 MR 0.000 PC -0.11 -0.576
 6.3318 7.5231 *0.1327 0.0003 18.9360 3.9537 -0.2461 0.0014
 QUAD 5. "019" 10.0000 FT 2.02723 KG 0.0003 18.9360 3.9537 -0.2461 0.0000
 1187.097 FT 10.0000 1185.0412 FT -88.200 0.000 MR -0.0000 -0.0000
 7.297 CM 7.1.908 MR 5.156 CM 1.257 MR 0.000 0.000 MR
 6.0481 7.2336 *1.7168 -1.8880 19.5986 4.1063 4.6217 1.0198 -1.023
 DRIFT 3. 4.71039 FT -61.7686 0.0000 1189.7329 FT -88.200 0.000 MR
 7.0223 CM 0.1.938 MR 5.337 CM 1.257 MR 0.080 CM -1.020 1.020
 5.8216 6.9625 *1.7168 -1.8880 2.02621 4.2547 4.6217 1.0198
 QUAD 5. "020" 10.0000 FT 2.02723 KG 0.0000 18.9360 3.9537 -0.2461 0.0000
 1201.007 FT 10.0000 1199.6940 FT -88.200 0.000 MR -0.0000 -0.0000
 6.179 CM 3.597 MR 5.933 CM 2.680 MR 0.080 CM 1.020 1.020
 5.0617 6.1264 *3.1070 -3.5629 22.4793 4.7355 10.0209 2.1555
 DRIFT 3. 1.43700 FT -62.7761 0.0000 1201.1254 FT -88.200 0.000 MR
 6.021 CM 3.597 MR 6.050 CM 2.680 MR 0.080 CM -1.020 1.020
 4.9256 5.9703 *3.1070 -3.5629 22.9182 4.0299 10.0209 2.1555
 QUAD 5. "021" 10.0000 FT 3.16247 KG 0.0000 18.9360 3.9537 -0.2461 0.0000
 1213.244 FT 10.0000 1211.0865 FT -88.200 0.000 MR -0.0000 -0.0000
 5.172 CM 2.017 MR 6.595 CM 0.869 MR 0.080 CM -1.020 1.020
 DRIFT 3. 4.74200 FT -64.0744 0.0000 1215.8081 FT -88.200 0.000 MR
 4.881 CM 2.017 MR 6.721 CM 0.869 MR 0.080 CM -1.020 1.020
 3.9168 4.8409 *1.8213 -1.9957 25.3996 5.3720 3.1649
 QUAD 5. "022" 10.0000 FT 3.16247 KG 0.0000 1225.7692 FT
 1227.984 FT 10.0000 1225.7692 FT -88.200 0.000 MR -0.0000 -0.0000
 -64.9553 0.0000 1225.7692 FT 0.000 0.000 MR
 4.470 CH 4.0.697 MR 6.693 CM 1.053 MR 0.080 CM -1.020 1.020
 3.5246 4.4351 *0.7706 -0.6866 25.2574 5.3538 -4.0917 -0.8277
 DRIFT 3. 1.18000 FT -65.1473 0.0000 1227.9408 FT -88.200 0.000 MR
 4.424 CM 0.0.697 MR 6.623 CM 1.053 MR 0.080 CM -0.999 -1.020
 3.4734 4.3896 *0.7706 -0.6866 24.9855 5.2980 -4.0917 -0.8277
 DRIFT 3. 2.50200 FT -65.3675 0.0000 1230.4310 FT -88.200 0.000 MR
 4.371 CM 0.0.697 MR 6.542 CM 1.053 MR 0.080 CM -0.999 -1.020
 3.4146 4.3373 *0.7706 -0.6866 24.6737 5.2357 -4.0917 -0.8277
 DRIFT 3. 1.40000 FT -65.4929 0.0000 1231.8256 FT -88.200 0.000 MR
 4.341 CM 0.0.697 MR 6.498 CM 1.053 MR 0.080 CM -0.999 -1.020
 3.3817 4.3280 *0.7706 -0.6866 24.4991 5.2004 -4.0917 -0.8277
 DRIFT 3. 2.52222 FT -55.7122 2.2222 2234.3559 FT -88.200 0.000 MR
 4.255 CM 2.557 5.447 CM 2.253 2.222 2.222 2.222
 3.3232 4.2557 *2.7725 -2.6662 24.1373 5.1373 -4.217 2.222
 DRIFT 3. 6.26222 FT 0.0000 1240.5515 FT -88.200 0.000 MR
 4.156 CM 0.0.697 MR 6.217 CM 1.053 MR 0.080 CM -0.998 -1.020
 3.1760 4.1248 *0.7706 -0.6866 23.4066 4.9794 -4.0917 0.0277
 1337.620 FT 94.72600 FT 0.0000 1334.0701 FT 0.000 0.000 MR
 -74.6127 0.0000 1334.0701 FT 0.000 0.000 MR
 2.140 CM 0.0.697 MR 6.178 CM 1.053 MR 0.080 CM -0.998 -1.020
 0.9498 2.1427 *0.7706 -0.6866 23.0917 4.9794 -4.0917 0.0277
 102.30350 FT 0.0000 1334.0701 FT 0.000 0.000 MR
 -73.6241 0.0000 1436.0044 FT 0.000 0.000 MR
 0.231 CM 0.0.697 MR 6.178 CM 1.053 MR 0.080 CM -0.998 -1.020
 -1.4537 0.0000 1436.0044 FT 0.000 0.000 MR
 1439.923 FT 102.30350 FT 0.0000 1436.0044 FT 0.000 0.000 MR

TM-743
2833

SA 1004 "A" Vtg
 A 1004 "A" Vtg
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SA 1004 "A" Vtg
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SA 1004 "A" Vtg
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SA 1004 "A" Vtg
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 A 1004 "A" Vtg

1439.923 FT

-83.6241	0.0000	1436.8844 FT	-88.200	0.000	0.000 MR			
0.231 CM	0.697 MR	0.187 CM	1.053 MR	0.080 CM	2.000 PC	0.161	0.589	
-1.4537	0.0035	-0.7706 -0.6860	-1.1744	0.0068	-4.0917 -0.8277	-0.0000	-0.0000	
•DRIFT• 3. "PM5"				0.00000 FT				
1439.923 FT	-83.6241	0.0000	1436.8844 FT	-88.200	0.000	0.000 MR		
	0.231 CM	0.697 MR	0.187 CM	1.053 MR	0.080 CM	2.000 PC	0.161	0.589
	-1.4537	0.0035	-0.7706 -0.6860	-1.1744	0.0068	-4.0917 -0.8277	-0.0000	-0.0000

•LENGTH• 1439.92329 FT

-79-

IM-743
2833

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TTT	FFF	444	444	000	000	000	WWW
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LPTSPL VFRS10N 6(344) RUNNING ON LPT000
 START USER ECKI UND,S, [105,711] JOB TF400W SEQ. 26126 DATE 03-MAY-77 22122134 MONITOR FERMILAB 602,1 *START*
 REQUEST CREATED: 03-MAY-77 22119102
 FILE: DSKC2:TF400W,DATE[105,711] CREATED: 29-APR-77 16106100 <155> PRINTED: 03-MAY-77 22122148
 QUEUE SWITCHES: /PRINT:ARROW /FILE:FORT /COPIES:1 /SPACING:1 /LIMIT:398 /FORMS:NORMAL
 FILE WILL BE RENAMED TO <055> PROTECTION

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13.		3.00000					
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13.		12.00000					
13.		18.00000					
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16.00		19.00000	-3.00000				
3.0	"aF "	0.00000					
3.0		16.50000					
3.0		8.50000					
3.0		1.50000					
3.0		8.50000					
3.0		1.50000					
3.0		8.50000					
3.0		0.10000					
3.0	"nIK2"	0.00000					
3.0		6.30000					
5.00	"n1 "	10.00000	-3.11122	2.54000			
3.0		1.06300					
5.00	"n2 "	10.00000	-3.11122	2.54000			
3.0		1.07200					
5.00	"n3 "	10.00000	-3.11122	2.54000			
3.0		1.32000					
2.0		1.33367					
4.020	"A1 "	10.25000	11.39147	0.00000			
2.0		1.33367					
3.0		1.24000					
2.0		1.33367					
4.020	"A2 "	10.25000	11.39147	0.00000			
2.0		1.33367					
3.0		1.32500					
5.00	"n4 "	10.00000	3.51124	2.54000			
3.0		1.07500					
5.00	"n5 "	10.00000	3.51124	2.54000			
3.0		1.34400					
2.0		1.33367					
4.020	"A3 "	10.25000	11.39147	0.00000			
2.0		1.33367					
3.0		1.20800					
2.0		1.33367					
4.020	"A4 "	10.25000	11.39147	0.00000			
2.0		1.33367					
3.0		1.22200					
2.0		1.33367					
4.020	"A5 "	10.25000	11.39147	0.00000			
2.0		1.33367					
3.0		1.34000					
3.0		0.29100					
3.0	"R3H "	6.00000					
3.0		0.29200					
3.0		1.35000					
2.0		3.88016					
4.020	"A6 "	10.25667	17.05637	0.00000			

2.0
3.0
2.0
2.0

"R7 " 19.91667 17.05637 0.000001
"R8 " 19.91667 17.05637 0.000001

2.0
3.0
2.0
3.0

"R9 " 1.82000 3.00000 2.540001
"R10 " 1.82000 3.00000 2.540001

3.0
5.022
5.022
3.0

"R11 " 1.59900 1.59900 1.59900
"R12 " 2.50000 1.41900 2.29000

3.0
3.0
3.0

"R13 " 6.00000 6.00000 6.00000
"R14 " 0.22900 0.49300 0.62500

3.0
5.020
3.0

"R15 " 12.00000 -4.70903 2.540001
"R16 " 0.00000 94.07600 0.00000

3.0
3.0
3.0

"R17 " 0.00000 0.00000 0.00000
"R18 " 7.26000 1.412000 4.33300

3.0
3.0
3.0

"R19 " 0.11500 4.22000 4.540005
"R20 " 0.11500 4.71800 4.540005

5.022
5.022
3.0

"R21 " 0.00000 0.00000 0.00000
"R22 " 1.412000 4.33300 4.33300

3.0
3.0
3.0

"R23 " 6.00000 6.00000 6.00000
"R24 " 0.25000 0.49000 0.62500

3.0
3.0
3.0

"R25 " 18.46900 0.00000 0.00000
"R26 " 0.29200 0.23000 0.23000

3.0
3.0
3.0

"R27 " 0.00000 0.00000 0.00000
"R28 " 0.00000 0.00000 0.00000

3.0
3.0
3.0

"R29 " 0.00000 0.00000 0.00000
"R30 " 0.00000 0.00000 0.00000

3.0
3.0
3.0

"R31 " 195.15000 0.00000 0.00000
"R32 " 0.00000 0.00000 0.00000

3.0
3.0
3.0

"R33 " 0.00000 0.00000 0.00000
"R34 " 0.00000 0.00000 0.00000

3.0
3.0
3.0

"R35 " 0.00000 0.00000 0.00000
"R36 " 0.00000 0.00000 0.00000

3.0
3.0
3.0

3.0	"v5 "	2.59000;			
3.0		2.49200;			
2.0		4.57275;			
4.003	"R9 "	19.91667	20.10081	0.00000;	
2.0		4.57275;			
3.0		1.29000;			
2.0		4.57275;			
4.004	"R10 "	19.91667	20.10081	0.00000;	
2.0		4.57275;			
3.0		1.31200;			
2.0		4.57275;			
4.005	"R11 "	19.91667	20.10081	0.00000;	
2.0		4.57275;			
3.0		1.36300;			
2.0		4.57275;			
4.006	"R12 "	19.91667	20.10081	0.00000;	
2.0		4.57275;			
3.0		3.01000;			
5.00	"011 "	10.00000	5.05987	2.54000;	
3.0		1.57000;			
5.00	"012 "	10.00000	5.05987	2.54000;	
3.0		1.52000;			
5.00	"013A"	5.00000	-4.91839	2.54000;	
3.0		1.50000;			
5.00	"013 "	10.00000	-4.91839	2.54000;	
3.0		1.50000;			
5.00	"014 "	10.00000	-4.91839	2.54000;	
3.0		2.72000;			
3.0	"NIK5"	0.00000;			
3.2		72.20900;			18
3.0	"NIK6"	0.00000;			-
3.0		1.38200;			
3.0	"2F "	0.00000;			
-10.	"2F12"	-1.00000	2.00000	0.00000	0.00010;
-10.	"2F34"	-3.00000	4.00000	0.00000	0.00010;
3.0	"PM2 "	0.00000;			
3.0		0.72300;			
3.0	"R8H "	4.00000;			
3.0		0.93200;			
3.0	"IC2 "	0.00000;			
3.0		1.00000;			
2.0		0.00000;			
4.000	"R13 "	20.00000	0.00000	0.00000;	
2.0		0.00000;			
-10.	"2F16"	-1.00000	6.00000	0.00000	0.00010;
-10.	"2F26"	-2.00000	6.00000	0.00000	0.00010;
3.0		6.81000;			
3.0	"v6 "	2.50000;			
3.0	"PAR "	86.45800;			
5.00	"C15 "	10.00000	-4.26383	2.54000;	
3.0	"N10 "	4.62000;			
5.00	"N16 "	10.00000	-4.26383	2.54000;	
3.2	"N11 "	1.54000;			
5.00	"N17 "	10.30300	3.55423	2.54000;	
3.0	"N12 "	4.66600;			
5.00	"N18 "	10.00200	3.55423	2.54000;	
3.0		3.33200;			
3.0	"PM3 "	0.00000;			
-10.	"3F22"	-2.00000	2.00000	0.00000	0.00010;
-10.	"3F44"	-4.00000	4.00000	0.00000	0.00010;

3.0	"K1 "	53.00000
3.0		3.14100
3.0	"K2 "	53.00000
3.0		3.43000
3.0	"PM4 "	0.02200
3.0		3.80200
5.00	"n19 "	10.00000
3.0		4.71000
5.00	"n20 "	10.00000
3.0		1.43700
5.00	"n21 "	10.00000
3.0		-3.16247
5.00	"n22 "	10.00000
3.0		-3.16247
3.0	"v7 "	2.50000
3.0		1.40000
3.0	"v8 "	2.50000
3.0		6.26000
3.0	"K3 "	94.79600
3.0		102.30300
3.0	"3F "	0.00000
-10.	"3F12"	-1.00000
-10.	"3F34"	-3.00000
3.0	"PM5 "	0.00000
		2.00000
		4.00000
		0.00000
		0.00010
		0.00010

SENTINEL

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TM-74
2833

		R11	R12	R21	R22	R33	R34	R43	R44	R45	R46
BEAM	1.	400.00000 GEV	0.0000 0.0000 FT	0.000 0.000 MR	0.000 0.000 CH	0.000 0.000 MR	0.000 0.000 CH	0.000 0.000 PC	0.000 0.000	0.000 0.000	
DRIFT	0.000 FT	0.0000 0.0000 FT	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 MR	0.0000 0.0000 PC	0.0000 0.0000	0.0000 0.0000	
THETA	16. -3.	"0F "	0.0000 0.0000 FT	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 PC	0.0000 0.0000	0.0000 0.0000	
DRIFT	0.000 FT	0.0000 0.0000 FT	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 MR	0.0000 0.0000 PC	0.0000 0.0000	0.0000 0.0000	
DRIFT	3.	16.5000 FT	0.0000 0.0000 FT	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 MR	0.0000 0.0000 CH	0.0000 0.0000 PC	0.0000 0.0000	0.0000 0.0000	
DRIFT	16.5000 FT	0.0495 0.0000 FT	0.0499 0.0000 MR	0.0527 0.0000 CH	0.0527 0.0000 MR	0.0529 0.0000 CH	0.0529 0.0000 MR	0.053 0.0000 PC	0.053 0.0000	0.053 0.0000	
DRIFT	25.000 FT	0.0750 0.0000 FT	0.0750 0.0000 MR	0.0778 0.0000 CH	0.0778 0.0000 MR	0.079 0.0000 CH	0.079 0.0000 MR	0.079 0.0000 PC	0.079 0.0000	0.079 0.0000	
DRIFT	26.500 FT	0.0795 0.0000 FT	0.0795 0.0000 MR	0.0823 0.0000 CH	0.0823 0.0000 MR	0.0877 0.0000 CH	0.0877 0.0000 MR	0.091 0.0000 PC	0.091 0.0000	0.091 0.0000	
DRIFT	35.000 FT	0.1050 0.0000 FT	0.1050 0.0000 MR	0.1079 0.0000 CH	0.1079 0.0000 MR	0.1098 0.0000 CH	0.1098 0.0000 MR	0.1124 0.0000 PC	0.1124 0.0000	0.1124 0.0000	
DRIFT	36.500 FT	0.1095 0.0000 FT	0.1095 0.0000 MR	0.1124 0.0000 CH	0.1124 0.0000 MR	0.1153 0.0000 CH	0.1153 0.0000 MR	0.1183 0.0000 PC	0.1183 0.0000	0.1183 0.0000	
DRIFT	45.000 FT	0.1350 0.0000 FT	0.1350 0.0000 MR	0.1381 0.0000 CH	0.1381 0.0000 MR	0.1416 0.0000 CH	0.1416 0.0000 MR	0.1446 0.0000 PC	0.1446 0.0000	0.1446 0.0000	
DRIFT	45.100 FT	0.1353 0.0000 FT	0.1353 0.0000 MR	0.1384 0.0000 CH	0.1384 0.0000 MR	0.1416 0.0000 CH	0.1416 0.0000 MR	0.1446 0.0000 PC	0.1446 0.0000	0.1446 0.0000	
DRIFT	45.198 FT	0.1353 0.0000 FT	0.1353 0.0000 MR	0.1384 0.0000 CH	0.1384 0.0000 MR	0.1416 0.0000 CH	0.1416 0.0000 MR	0.1446 0.0000 PC	0.1446 0.0000	0.1446 0.0000	
DRIFT	51.400 FT	0.1542 0.0000 FT	0.1542 0.0000 MR	0.1575 0.0000 CH	0.1575 0.0000 MR	0.1600 0.0000 CH	0.1600 0.0000 MR	0.1627 0.0000 PC	0.1627 0.0000	0.1627 0.0000	
QUAD	5.	"01 "	0.0000 1.5667 FT	0.0000 1.5667 KC	0.0000 1.5667 CM	0.0000 1.5667 MR	0.0000 1.5667 CH	0.0000 1.5667 PC	0.0000 1.5667	0.0000 1.5667	
QUAD	61.430 FT	0.1842 0.0000 FT	0.1842 0.0000 MR	0.1913 0.2838 KC	0.1913 0.2838 CM	0.1913 0.4876 0.5400	0.1913 0.4876 0.5400 CM	0.1913 0.4876 0.5255	0.1913 0.4876 0.5255	0.1913 0.4876 0.5255	0.1913 0.4876 0.5255
DRIFT	72.463 FT	0.2174 0.0000 FT	0.2174 0.0000 MR	0.2194 2.119 MR	0.2194 2.119 CM	0.2214 2.1196	0.2214 2.1196 MR	0.2234 2.1196 PC	0.2234 2.1196	0.2234 2.1196	
DRIFT	72.463 FT	0.2174 0.0000 FT	0.2174 0.0000 MR	0.2194 2.119 MR	0.2194 2.119 CM	0.2214 2.1196	0.2214 2.1196 MR	0.2234 2.1196 PC	0.2234 2.1196	0.2234 2.1196	

73.535 FT		-0.2206 0.0000 73.5347 FT	-3.000 0.000 0.000 MR
2.613 CM	2.119 MR	1.903 0.000 CM	2.000 PC 1.000 0.000
2.6059	0.5946	2.116 0.884 MR	0.5259 0.018 0.000
1.2045	2.6059	0.5946 1.8988	0.5259 0.018 0.000
10.0000 FT	3.11122 KG	2.54002 CM (-115.59958 FT)	
-0.2506	0.0000	83.5346 FT -3.000 0.000 MR	
3.380 CM	2.951 MR	1.022 CM 0.535 MR	2.000 PC 1.000 -0.987
1.4401	3.3722	0.9620 2.9471 0.6162	1.8190 -0.7266 -0.5221 0.0000 -0.0000 0.0000
•DRIFT* 3.		1.3200 FT	
84.855 FT		-0.2546 0.0000 84.8546 FT	-3.000 0.000 0.000 MR
3.499 CM	2.951 MR	1.800 CM 0.535 MR	2.000 PC 1.000 -0.986
1.4786	3.4907	0.9620 2.9471 0.5870	1.7980 -0.7266 -0.5221 0.0000 0.0200
•ROTAT* 2.		1.33367 MR	
84.855 FT		-0.2546 0.0000 84.8546 FT	-3.000 0.000 0.000 MR
3.499 CM	2.951 MR	1.800 CM 0.535 MR	2.000 PC 1.000 -0.986
1.4738	3.4907	0.9620 2.9471 0.5870	1.7980 -0.7266 -0.5221 0.0000 0.0200
•BEND* 4.	"81 "	10.2500 FT 11.39147 KG	0.0000 0.3842.767 FT 2.667 MR)
95.125 FT		-0.2990 0.0000 95.1045 FT	-5.667 0.000 0.000 MR
4.421 CM	2.952 MR	1.636 CM 0.535 MR	2.000 PC 1.000 -0.983
1.7793	4.4115	0.9620 2.9471 0.3600	1.6348 -0.7266 -0.5221 0.0342 0.0267
•ROTAT* 2.		1.33367 MR	
95.125 FT		-0.2990 0.0000 95.1045 FT	-5.667 0.000 0.000 MR
4.421 CM	2.952 MR	1.636 CM 0.535 MR	2.000 PC 1.000 -0.983
1.7793	4.4115	0.9620 2.9471 0.3600	1.6348 -0.7267 -0.5221 0.0042 0.0267
•DRIFT* 3.		1.2400 FT	
96.345 FT		-0.3060 0.0000 96.3445 FT	-5.667 0.000 0.000 MR
4.532 CM	2.952 MR	1.616 CM 0.535 MR	2.000 PC 1.000 -0.983
1.8157	4.5228	0.9620 2.9471 0.3325	1.6151 -0.7267 -0.5222 0.0052 -0.983
•ROTAT* 2.		1.33367 MR	
96.345 FT		-0.3060 0.0000 96.3445 FT	-5.667 0.000 0.000 MR
4.532 CM	2.952 MR	1.616 CM 0.535 MR	2.000 PC 1.000 -0.983
1.8157	4.5228	0.9620 2.9472 0.3325	1.6151 -0.7267 -0.5222 0.0052 -0.983
•BEND* 4.	"82 "	10.2500 FT 11.39147 KG	0.0000 0.3842.767 FT 2.667 MR)
126.595 FT		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR
5.454 CM	2.953 MR	1.452 CM 0.535 MR	2.000 PC 1.000 -0.979
2.1162	5.4436	0.9620 2.9470 0.1055	1.4520 -0.7267 -0.5222 0.0177 0.0533
•ROTAT* 2.		1.33367 MR	
106.595 FT		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR
5.454 CM	2.953 MR	1.452 CM 0.535 MR	2.000 PC 1.000 -0.979
2.1162	5.4436	0.9620 2.9471 0.1055	1.4520 -0.7267 -0.5222 0.0177 0.0533
•DRIFT* 3.		1.3250 FT	
127.920 FT		-0.3888 0.0000 107.9192 FT	-8.335 0.000 0.000 MR
5.573 CM	2.953 MR	1.431 CM 0.535 MR	2.000 PC 1.000 -0.978
2.1551	5.5626	0.9620 2.9471 0.0761	1.4309 -0.7267 -0.5222 0.0198 -0.0533
•QUAN* 5.	"04 "	10.0000 FT 3.51124 KG	2.54002 CM 1.105.57750 FT)
117.920 FT		-0.4722 0.0000 117.9189 FT	-8.335 0.000 0.000 MR
6.193 CM	1.082 MR	1.339 CM 0.147 MR	2.000 PC 1.000 -0.988
2.3407	6.1810	0.2464 1.0778 0.1452	1.3386 -0.7375 -0.0884 0.0349 0.0446
•DRIFT* 3.		1.0750 FT	
118.995 FT		-0.4811 0.0000 118.9938 FT	-8.335 0.000 0.000 MR
6.228 CM	1.082 MR	1.336 CM 0.147 MR	2.000 PC 1.000 -0.986
2.3438	6.2163	0.2464 1.0778 0.1694	1.3357 -0.7375 -0.0884 0.0363 0.0446
•QUAN* 5.	"05 "	10.0000 FT 3.51124 KG	2.54002 CM 1.105.57750 FT)
128.995 FT		-0.5645 0.0000 128.9935 FT	-8.335 0.000 0.000 MR
6.254 CM	0.911 MR	1.375 CM 0.361 MR	2.000 PC 1.000 -0.947
2.3105	6.2428	0.4953 0.9054 0.4060	1.3731 -0.8276 -0.3359 0.0480 0.0312
•DRIFT* 3.		1.3440 FT	
130.339 FT		-0.5757 0.0000 130.3374 FT	-8.335 0.000 0.000 MR
6.217 CM	0.911 MR	1.389 CM 0.361 MR	2.000 PC -0.996 0.948
2.2903	6.2057	0.4953 0.9054 0.4399	1.3869 -0.8276 0.3359 0.0493 0.0312
•ROTAT* 2.		1.33367 MR	

130.339		-0.5757 0.0000 130.3374 FT	-8.335 0.000 0.000 MR			
		6.217 CM 0.911 MR 1.389 CM	0.361 MR 0.024 CM 2.000 PC	-0.996	0.948	
BEND	4.	"B3 "	2.2903 6.2057 -0.4952 -0.9053	-0.4399 1.3869 -0.8276 0.3359	0.0493	0.0312
140.589 FT		-0.6748 0.0000 140.5869 FT	-11.002 0.000 0.000 MR			
		5.934 CM 0.916 MR 1.496 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956	
ROTAT	2.	2.1355 5.9228 -0.4953 -0.9054	-0.6985 1.4918 -0.8276 0.3359	0.0632	0.0579	
140.589 FT		1.33367 MR				
		-0.6748 0.0000 140.5869 FT	-11.002 0.000 0.000 MR			
		5.934 CM 0.916 MR 1.496 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956	
DRIFT	3.	2.1355 5.9228 -0.4953 -0.9054	-0.6985 1.4918 -0.8276 0.3359	0.0632	0.0579	
141.797 FT		1.20800 FT				
		-0.6881 0.0000 141.7949 FT	-11.002 0.000 0.000 MR			
		5.901 CM 0.916 MR 1.509 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956	
ROTAT	2.	2.1173 5.8895 -0.4953 -0.9054	-0.7290 1.5042 -0.8276 0.3359	0.0653	0.0579	
141.797 FT		1.33367 MR				
		-0.6881 0.0000 141.7949 FT	-11.002 0.000 0.000 MR			
		5.901 CM 0.916 MR 1.509 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956	
BEND	4.	"B4 "	2.1173 5.8895 -0.4952 -0.9053	-0.7290 1.5042 -0.8276 0.3359	0.0653	0.0579
152.047 FT		10.25000 FT 11.39147 KG	0.00000 (3842.767 FT , 2.667 MR)			
		-0.8145 0.0000 152.0441 FT	-13.669 0.000 0.000 MR			
ROTAT	2.	5.618 CM 0.924 MR 1.617 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.962	
152.047 FT		1.9626 5.6067 -0.4953 -0.9054	-0.9875 1.6091 -0.8276 0.3359	0.0876	0.0846	
		1.33367 MR				
		-0.8145 0.0000 152.0441 FT	-13.669 0.000 0.000 MR			
		5.618 CM 0.924 MR 1.617 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.962	
DRIFT	3.	1.9626 5.6067 -0.4953 -0.9054	-0.9875 1.6091 -0.8276 0.3359	0.0876	0.0846	
153.269 FT		1.22200 FT				
		-0.8312 0.0000 153.2660 FT	-13.669 0.000 0.000 MR			
		5.584 CM 0.924 MR 1.630 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.963	1
ROTAT	2.	1.9441 5.5729 -0.4953 -0.9054	-1.0183 1.6216 -0.8276 0.3359	0.0907	0.0846	
153.269 FT		1.33367 MR				
		-0.8312 0.0000 153.2660 FT	-13.669 0.000 0.000 MR			
		5.584 CM 0.924 MR 1.630 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.963	
BEND	4.	"B5 "	1.9441 5.5729 -0.4953 -0.9053	-1.0183 1.6216 -0.8276 0.3358	0.0907	0.0846
163.519 FT		10.25000 FT 11.39147 KG	0.00000 (3842.767 FT , 2.667 MR)			
		-0.9850 0.0000 163.5148 FT	-16.337 0.000 0.000 MR			
		5.303 CM 0.936 MR 1.738 CM	0.361 MR 0.070 CM 2.000 PC	-0.959	0.967	
ROTAT	2.	1.7894 5.2901 -0.4953 -0.9054	-1.2769 1.7266 -0.8276 0.3358	0.1213	0.1112	
163.519 FT		1.33367 MR				
		-0.9850 0.0000 163.5148 FT	-16.337 0.000 0.000 MR			
		5.303 CM 0.936 MR 1.738 CM	0.361 MR 0.070 CM 2.000 PC	-0.959	0.967	
DRIFT	3.	1.7894 5.2901 -0.4953 -0.9054	-1.2769 1.7266 -0.8276 0.3358	0.1213	0.1112	
164.859 FT		1.34000 FT				
		-1.0069 0.0000 164.8546 FT	-16.337 0.000 0.000 MR			
		5.267 CM 0.936 MR 1.753 CM	0.361 MR 0.070 CM 2.000 PC	-0.958	0.968	
DRIFT	3.	1.7691 5.2531 -0.4953 -0.9054	-1.3107 1.7403 -0.8276 0.3358	0.1259	0.1112	
165.150 FT		0.29100 FT				
		-1.0116 0.0000 165.1456 FT	-16.337 0.000 0.000 MR			
		5.259 CM 0.936 MR 1.756 CM	0.361 MR 0.070 CM 2.000 PC	-0.958	0.968	
DRIFT	3.	1.7648 5.2451 -0.4953 -0.9054	-1.3180 1.7432 -0.8276 0.3358	0.1268	0.1112	
171.150 FT		6.00000 FT				
		-1.1096 0.0000 171.1448 FT	-16.337 0.000 0.000 MR			
		5.095 CM 0.936 MR 1.820 CM	0.361 MR 0.070 CM 2.000 PC	-0.955	0.970	
DRIFT	3.	1.6742 5.0795 -0.4953 -0.9054	-1.4694 1.8047 -0.8276 0.3358	0.1472	0.1112	
171.150 FT		0.29200 FT				
		-1.1144 0.0000 171.14368 FT	-16.337 0.000 0.000 MR			
		5.087 CM 0.936 MR 1.823 CM	0.361 MR 0.070 CM 2.000 PC	-0.955	0.970	
DRIFT	3.	1.6698 5.0714 -0.4953 -0.9054	-1.4767 1.8077 -0.8276 0.3358	0.1482	0.1112	
171.442 FT		1.35800 FT				

172.800 FT		-1.1366 0.0000 172.7946 FT	-10.337 0.000 0.000 MR			
		5.050 CM 0.936 MR 1.4 CM	0.361 MR. 0.070 CM 2.000 PC	-0.	0.971	
		1.6493 5.0340 -0.4953 -0.9054	-1.5110 1.8216 -0.8276 0.3358	0.1220	0.1112	
ROTAT	2.	3.88016 MR				
172.800 FT		-1.1366 0.0000 172.7946 FT	-16.337 0.000 0.000 MR			
		5.050 CM 0.935 MR 1.837 CM	0.361 MR 0.070 CM 2.000 PC	-0.955	0.971	
		1.6493 5.0340 -0.4952 -0.9051	-1.5110 1.8216 -0.8275 0.3357	0.1528	0.1112	
BEND	4.	"B6 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)		
192.717 FT		-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR			
		4.516 CM 0.984 MR 2.051 CM	0.361 MR 0.107 CM 2.000 PC	-0.876	0.977	
		1.3486 4.4844 -0.4953 -0.9056	-2.0133 2.0254 -0.8275 0.3357	0.2439	0.1888	
ROTAT	2.	3.88016 MR				
192.717 FT		-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR			
		4.516 CM 0.984 MR 2.051 CM	0.360 MR 0.107 CM 2.000 PC	-0.876	0.977	
		1.3486 4.4844 -0.4953 -0.9054	-2.0133 2.0254 -0.8274 0.3356	0.2439	0.1888	
DRIFT	3.	1.33700 FT				
194.054 FT		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR			
		4.481 CM 0.984 MR 2.065 CM	0.360 MR 0.107 CM 2.000 PC	-0.874	0.977	
		1.3284 4.4475 -0.4952 -0.9051	-2.0470 2.0390 -0.8273 0.3355	0.2516	0.1888	
ROTAT	2.	3.88016 MR				
194.054 FT		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR			
		4.481 CM 0.984 MR 2.065 CM	0.360 MR 0.107 CM 2.000 PC	-0.874	0.977	
		1.3284 4.4475 -0.4952 -0.9051	-2.0470 2.0390 -0.8273 0.3355	0.2516	0.1888	
BEND	4.	"B7 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)		
213.970 FT		-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR			
		3.978 CM 1.054 MR 2.279 CM	0.360 MR 0.140 CM 2.000 PC	-0.746	0.981	
		1.0278 3.8979 -0.4953 -0.9056	-2.5492 2.2427 -0.8273 0.3355	0.3897	0.2664	
ROTAT	2.	3.88016 MR				
213.970 FT		-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR			
		3.978 CM 1.053 MR 2.279 CM	0.360 MR 0.140 CM 2.000 PC	-0.746	0.981	
		1.0278 3.8979 -0.4953 -0.9054	-2.5492 2.2427 -0.8272 0.3354	0.3897	0.2664	
DRIFT	3.	1.34200 FT				
215.312 FT		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR			
		3.946 CM 1.053 MR 2.294 CM	0.360 MR 0.140 CM 2.000 PC	-0.741	0.981	
		1.0075 3.8608 -0.4953 -0.9054	-2.5831 2.2565 -0.8272 0.3354	0.4026	0.2664	
ROTAT	2.	3.88016 MR				
215.312 FT		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR			
		3.946 CM 1.053 MR 2.294 CM	0.360 MR 0.140 CM 2.000 PC	-0.741	0.981	
		1.0075 3.8608 -0.4952 -0.9052	-2.5831 2.2565 -0.8270 0.3353	0.4026	0.2665	
BEND	4.	"B8 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)		
235.229 FT		-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR			
		3.514 CM 1.140 MR 2.508 CM	0.360 MR 0.168 CM 2.000 PC	-0.549	0.984	
		0.7069 3.3112 -0.4953 -0.9055	-3.0851 2.4600 -0.8270 0.3353	0.5859	0.3440	
ROTAT	2.	3.88016 MR				
235.229 FT		-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR			
		3.514 CM 1.140 MR 2.508 CM	0.360 MR 0.168 CM 2.000 PC	-0.549	0.984	
		0.7069 3.3112 -0.4953 -0.9054	-3.0851 2.4600 -0.8269 0.3352	0.5859	0.3440	
DRIFT	3.	1.82000 FT				
237.049 FT		-2.9550 0.0000 237.0163 FT	-39.618 0.000 0.000 MR			
		3.480 CM 1.140 MR 2.528 CM	0.360 MR 0.168 CM 2.000 PC	-0.537	0.985	
		0.6794 3.2610 -0.4953 -0.9054	-3.1310 2.4786 -0.8269 0.3352	0.6052	0.3440	
QUAD	5.	"Q6 "	5.00000 FT 3.00000 KG	2.54000 CM (244.02839 FT)		
242.049 FT		-3.1531 0.0000 242.0124 FT	-39.618 0.000 0.000 MR			
		3.355 CM 1.435 MR 2.608 CM	0.703 MR 0.168 CM 2.000 PC	-0.718	0.996	
		0.5972 3.0900 -0.5815 -1.3345	-3.2897 2.5554 -1.2592 0.6742	0.6511	0.2592	
DRIFT	3.	1.59900 FT				
243.648 FT		-3.2164 0.0000 243.6102 FT	-39.618 0.000 0.000 MR			
		3.305 CM 1.435 MR 2.643 CM	0.703 MR 0.168 CM 2.000 PC	-0.708	0.996	
		0.5688 3.0250 -0.5815 -1.3345	-3.3511 2.5682 -1.2592 0.6742	0.6637	0.2592	
DRIFT	3.	"V1 "	2.50000 FT			

246.148 FT		-3.3154 0.0000 246.1082 FT	-39.618 0.000 0.000 MR				
		3.228 CM 1.435 MR 2.696 CM	0.703 MR 0.168 CM 2.000 PC	-0.691 0.996			
		0.5245 2.9233 -0.5815 -1.3345	-3.4470 2.6396 -1.2592 0.6742	0.6834 0.2592			
DRIFT	3.	1.41900 FT					
247.567 FT		-3.3716 0.0000 247.5261 FT	-39.618 0.000 0.000 MR				
		3.186 CM 1.435 MR 2.726 CM	0.703 MR 0.168 CM 2.000 PC	-0.681 0.997			
		0.4994 2.8656 -0.5815 -1.3345	-3.5015 2.6688 -1.2592 0.6742	0.6947 0.2592			
DRIFT	3.	0.22900 FT					
247.706 FT		-3.3807 0.0000 247.7549 FT	-39.618 0.000 0.000 MR				
		3.179 CM 1.435 MR 2.731 CM	0.703 MR 0.168 CM 2.000 PC	-0.679 0.997			
		0.4953 2.8563 -0.5815 -1.3345	-3.5103 2.6735 -1.2592 0.6742	0.6965 0.2592			
DRIFT	3.	6.00000 FT					
253.796 FT		-3.6183 0.0000 253.7502 FT	-39.618 0.000 0.000 MR				
		3.007 CM 1.435 MR 2.859 CM	0.703 MR 0.168 CM 2.000 PC	-0.631 0.997			
		0.3890 2.6122 -0.5815 -1.3345	-3.7405 2.7968 -1.2592 0.6742	0.7439 0.2592			
DRIFT	3.	0.22900 FT					
254.025 FT		-3.6274 0.0000 253.9790 FT	-39.618 0.000 0.000 MR				
		3.000 CM 1.435 MR 2.864 CM	0.703 MR 0.168 CM 2.000 PC	-0.629 0.997			
		0.3849 2.6029 -0.5815 -1.3345	-3.7493 2.8015 -1.2592 0.6742	0.7457 0.2592			
DRIFT	3.	2.40300 FT					
256.428 FT		-3.7226 0.0000 256.3801 FT	-39.618 0.000 0.000 MR				
		2.936 CM 1.435 MR 2.916 CM	0.703 MR 0.168 CM 2.000 PC	-0.607 0.997			
		0.3423 2.5052 -0.5815 -1.3345	-3.8416 2.8509 -1.2592 0.6742	0.7647 0.2592			
*DUANE	5.	"07"	10.00000 FT	-4.70903 KG	2.54000 CM (-75.82406 FT)		
266.428 FT		-4.1186 0.0000 266.3723 FT	-39.618 0.000 0.000 MR				
		2.878 CM 1.262 MR 2.939 CM	0.554 MR 0.168 CM 2.000 PC	0.388 -0.995			
		0.1836 2.2530 -0.4713 -0.3376	-3.9719 2.8699 0.4134 -0.5505	0.8952 0.6069			
DRIFT	3.	2.62500 FT					
269.053 FT		-4.2226 0.0000 268.9952 FT	-39.618 0.000 0.000 MR				89
		2.919 CM 1.262 MR 2.894 CM	0.554 MR 0.168 CM 2.000 PC	0.418 -0.995			
		0.1459 2.2260 -0.4713 -0.3376	-3.9388 2.8259 0.4134 -0.5505	0.9438 0.6069			
DRIFT	3.	0.00000 FT					
269.053 FT		-4.2226 0.0000 268.9952 FT	-39.618 0.000 0.000 MR				
		2.919 CM 1.262 MR 2.894 CM	0.554 MR 0.168 CM 2.000 PC	0.418 -0.995			
		0.1459 2.2260 -0.4713 -0.3376	-3.9388 2.8259 0.4134 -0.5505	0.9438 0.6069			
DRIFT	3.	94.07600 FT					
363.129 FT		-7.9487 0.0000 362.9974 FT	-39.618 0.000 0.000 MR				
		5.517 CM 1.262 MR 1.322 CM	0.554 MR 0.168 CM 2.000 PC	0.877 -0.976			
		-1.2057 1.2580 -0.4713 -0.3376	-2.7535 1.2475 0.4134 -0.5505	2.6842 0.6069			
DRIFT	3.	0.00000 FT					
363.129 FT		-7.9487 0.0000 362.9974 FT	-39.618 0.000 0.000 MR				
		5.517 CM 1.262 MR 1.322 CM	0.554 MR 0.168 CM 2.000 PC	0.877 -0.976			
		-1.2057 1.2580 -0.4713 -0.3376	-2.7535 1.2475 0.4134 -0.5505	2.6842 0.6069			
DRIFT	3.	7.26000 FT					
370.389 FT		-8.2363 0.0000 370.2517 FT	-39.618 0.000 0.000 MR				
		5.764 CM 1.262 MR 1.203 CM	0.554 MR 0.168 CM 2.000 PC	0.888 -0.971			
		-1.3100 1.1833 -0.4713 -0.3376	-2.6620 1.1257 0.4134 -0.5505	2.8185 0.6069			TM-1
DRIFT*	3.	0.11500 FT					
370.504 FT		-8.2408 0.0000 370.3666 FT	-39.618 0.000 0.000 MR				13
		5.768 CM 1.262 MR 1.201 CM	0.554 MR 0.168 CM 2.000 PC	0.888 -0.971			
		-1.3117 1.1821 -0.4713 -0.3376	-2.6605 1.1237 0.4134 -0.5505	2.8206 0.6069			13
DRIFT*	3.	3.00000 FT					
373.504 FT		-8.3596 0.0000 373.3643 FT	-39.618 0.000 0.000 MR				
		5.870 CM 1.262 MR 1.152 CM	0.554 MR 0.168 CM 2.000 PC	0.892 -0.968			
		-1.3548 1.1512 -0.4713 -0.3376	-2.6227 1.0734 0.4134 -0.5505	2.8761 0.6069			
DRIFT*	3.	0.11500 FT					
373.619 FT		-8.3642 0.0000 373.4792 FT	-39.618 0.000 0.000 MR				
		5.874 CM 1.262 MR 1.150 CM	0.554 MR 0.168 CM 2.000 PC	0.89 -0.968			
		-1.3564 1.1501 -0.4713 -0.3	-2.6213 1.0715 0.4134 -0.5505	2.81 0.6069			
DRIFT*	3.	26.71800 FT					

400.337 FT		-9.4224 0.0000 400.1762 FT	-39.618 0.000 0.000 MR					
		6.807 CM 1.262 MR 0.72 M	0.554 MR 0.168 CM 2.000 PC	0.91	-0.918			
		-1.7403 0.8751 -0.4713 -0.356	-2.2846 0.6232 0.4134 -0.5505	3.37	0.6069			
•QUAD*	5.	"08 "	7.00000 FT 4,54085 KG	2.54000 CM (115.93953 FT)				
407.337 FT		-9.6997 0.0000 407.1707 FT	-39.618 0.000 0.000 MR					
		6.847 CM 0.931 MR 0.636 CM	0.389 MR 0.168 CM 2.000 PC	-0.851	-0.766			
		-1.7870 0.7773 0.0354 -0.5750	-2.2656 0.5236 -0.2337 -0.3874	3.3984	0.3658			
•DRIFT*	3.		4.22000 FT					
411.557 FT		-9.8668 0.0000 411.3874 FT	-39.618 0.000 0.000 MR					
		6.745 CM 0.931 MR 0.598 CM	0.389 MR 0.168 CM 2.000 PC	-0.846	-0.730			
		-1.7825 0.7033 0.0354 -0.5750	-2.2956 0.4738 -0.2337 -0.3874	3.3513	0.3658			
•QUAD*	5.	"09 "	4.33300 FT 0.00000 KG	2.54000 CM (0.00000 FT)				
415.890 FT		-10.0384 0.0000 415.7170 FT	-39.618 0.000 0.000 MR					
		6.642 CM 0.931 MR 0.562 CM	0.389 MR 0.168 CM 2.000 PC	-0.841	-0.686			
		-1.7778 0.6274 0.0354 -0.5750	-2.3265 0.4227 -0.2337 -0.3874	3.3030	0.3658			
•DRIFT*	3.		1.41000 FT					
417.300 FT		-10.0943 0.0000 417.1259 FT	-39.618 0.000 0.000 MR					
		6.608 CM 0.931 MR 0.550 CM	0.389 MR 0.168 CM 2.000 PC	-0.839	-0.670			
		-1.7763 0.6027 0.0354 -0.5750	-2.3366 0.4060 -0.2337 -0.3874	3.2873	0.3658			
•QUAD*	5.	"010 "	4.33300 FT 0.00000 KG	2.54000 CM (0.00000 FT)				
421.633 FT		-10.2659 0.0000 421.4555 FT	-39.618 0.000 0.000 MR					
		6.505 CM 0.931 MR 0.517 CM	0.389 MR 0.168 CM 2.000 PC	-0.833	-0.613			
		-1.7716 0.5267 0.0354 -0.5750	-2.3674 0.3548 -0.2337 -0.3874	3.2389	0.3658			
•DRIFT*	3.		6.25000 FT					
427.883 FT		-10.5134 0.0000 427.7006 FT	-39.618 0.000 0.000 MR					
		6.358 CM 0.931 MR 0.475 CM	0.389 MR 0.168 CM 2.000 PC	-0.825	-0.511			
		-1.7648 0.4172 0.0354 -0.5750	-2.4119 0.2811 -0.2337 -0.3874	3.1693	0.3658			
•DRIFT*	3.	"V3 "	2.50000 FT					
430.383 FT		-10.6125 0.0000 430.1986 FT	-39.618 0.000 0.000 MR					
		6.300 CM 0.931 MR 0.461 CM	0.389 MR 0.168 CM 2.000 PC	-0.821	-0.463			
		-1.7621 0.3734 0.0354 -0.5750	-2.4298 0.2515 -0.2337 -0.3874	3.1414	0.3658			
•DRIFT*	3.		10.46900 FT					
440.852 FT		-11.0271 0.0000 440.6594 FT	-39.618 0.000 0.000 MR					
		6.059 CM 0.931 MR 0.418 CM	0.389 MR 0.168 CM 2.000 PC	-0.805	-0.214			
		-1.7508 0.1899 0.0354 -0.5750	-2.5043 0.1279 -0.2337 -0.3874	3.0247	0.3658			
•DRIFT*	3.		0.29200 FT					
441.144 FT		-11.0387 0.0000 440.9512 FT	-39.618 0.000 0.000 MR					
		6.052 CM 0.931 MR 0.418 CM	0.389 MR 0.168 CM 2.000 PC	-0.804	-0.206			
		-1.7505 0.1848 0.0354 -0.5750	-2.5064 0.1245 -0.2337 -0.3874	3.0214	0.3658			
•DRIFT*	3.	"C5H "	4.00000 FT					
445.144 FT		-11.1971 0.0000 444.9481 FT	-39.618 0.000 0.000 MR					
		5.961 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC	-0.797	-0.094			
		-1.7462 0.1147 0.0354 -0.5750	-2.5349 0.0773 -0.2337 -0.3874	2.9768	0.3658			
•DRIFT*	3.		0.29300 FT					
445.437 FT		-11.2087 0.0000 445.2408 FT	-39.618 0.000 0.000 MR					
		5.955 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC	-0.797	-0.085			
		-1.7459 0.1095 0.0354 -0.5750	-2.5370 0.0738 -0.2337 -0.3874	2.9735	0.3658			
•DRIFT*	3.		0.83000 FT					
446.267 FT		-11.2416 0.0000 446.0702 FT	-39.618 0.000 0.000 MR					
		5.936 CM 0.931 MR 0.409 CM	0.389 MR 0.168 CM 2.000 PC	-0.795	-0.061			
		-1.7450 0.0950 0.0354 -0.5750	-2.5429 0.0640 -0.2337 -0.3874	2.9643	0.3658			
•DRIFT*	3.		0.23000 FT					
446.497 FT		-11.2507 0.0000 446.3000 FT	-39.618 0.000 0.000 MR					
		5.931 CM 0.931 MR 0.409 CM	0.389 MR 0.168 CM 2.000 PC	-0.795	-0.055			
		-1.7447 0.0910 0.0354 -0.5750	-2.5446 0.0613 -0.2337 -0.3874	2.9617	0.3658			
•DRIFT*	3.	"C6V "	4.00000 FT					
450.497 FT		-11.4091 0.0000 450.2969 FT	-39.618 0.000 0.000 MR					
		5.841 CM 0.931 MR 0.409 CM	0.389 MR 0.168 CM 2.000 PC	-0.788	0.061			
		-1.7404 0.0209 0.0354 -0.5750	-2.5731 0.0141 -0.2337 -0.3874	2.9171	0.3658			
•DRIFT*	3.		0.23000 FT					

450.727 FT		-11.4182 0.0000 450.5267 FT	-39.618 0,000 0.000 MR				
		5.836 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.7402 0.0168 0.0354 -0.5750	-2.5747 0.0113 -0.2337 -0.3874	-0.787 0.068	2.9145 -0.3658		
451.687 FT		0.96000 FT					
		-11.4563 0.0000 451.4859 FT	-39.618 0,000 0.000 MR				
		5.814 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.7391 -0.0000 0.0354 -0.5750	-2.5815 -0.0000 -0.2337 -0.3874	-0.786 0.095	2.9038 -0.3658		
451.687 FT		0.00000 FT					
		-11.4563 0.0000 451.4859 FT	-39.618 0,000 0.000 MR				
		5.814 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.7391 -0.0000 0.0354 -0.5750	-2.5815 -0.0000 -0.2337 -0.3874	-0.786 0.095	2.9038 -0.3658		
451.687 FT		"PM1"					
		0.00000 FT					
		-11.4563 0.0000 451.4859 FT	-39.618 0,000 0.000 MR				
		5.814 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.7391 -0.0000 0.0354 -0.5750	-2.5815 -0.0000 -0.2337 -0.3874	-0.786 0.095	2.9038 -0.3658		
451.687 FT		0.00000 FT					
		-11.4563 0.0000 451.4859 FT	-39.618 0,000 0.000 MR				
		5.814 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.7391 -0.0000 0.0354 -0.5750	-2.5815 -0.0000 -0.2337 -0.3874	-0.786 0.095	2.9038 -0.3658		
455.202 FT		3.51500 FT					
		-11.5955 0.0000 454.9982 FT	-39.618 0,000 0.000 MR				
		5.736 CM 0.931 MR 0.417 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.7354 -0.0616 0.0354 -0.5750	-2.6066 -0.0415 -0.2337 -0.3874	-0.779 0.194	2.8646 -0.3658		
455.202 FT		0.00000 FT					
		-11.5955 0.0000 454.9982 FT	-39.618 0,000 0.000 MR				
		5.736 CM 0.931 MR 0.417 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.7354 -0.0616 0.0354 -0.5750	-2.6066 -0.0415 -0.2337 -0.3874	-0.779 0.194	2.8646 -0.3658		
650.360 FT		195.15800 FT					
		-19.3252 0.0000 650.0030 FT	-39.618 0,000 0.000 MR				
		3.752 CM 0.931 MR 2.430 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5247 -3.4819 0.0354 -0.5750	-3.9969 -2.3457 -0.2337 -0.3874	0.284 0.986	0.6886 -0.3658		
650.360 FT		0.00000 FT					
		-19.3252 0.0000 650.0030 FT	-39.618 0,000 0.000 MR				
		3.752 CM 0.931 MR 2.430 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5247 -3.4819 0.0354 -0.5750	-3.9969 -2.3457 -0.2337 -0.3874	0.284 0.986	0.6886 -0.3658		
655.370 FT		5.01000 FT					
		-19.5236 0.0000 655.0091 FT	-39.618 0,000 0.000 MR				
		3.795 CM 0.931 MR 2.489 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5193 -3.5697 0.0354 -0.5750	-4.0326 -2.4049 -0.2337 -0.3874	0.319 0.986	0.6327 -0.3658		
655.620 FT		0.23000 FT					
		-19.5327 0.0000 655.2389 FT	-39.618 0,000 0.000 MR				
		3.797 CM 0.931 MR 2.492 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5191 -3.5738 0.0354 -0.5750	-4.0342 -2.4076 -0.2337 -0.3874	0.320 0.986	0.6302 -0.3658		
659.600 FT		4.00000 FT					
		-19.6911 0.0000 659.2358 FT	-39.618 0,000 0.000 MR				
		3.835 CM 0.931 MR 2.538 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5147 -3.6439 0.0354 -0.5750	-4.0627 -2.4548 -0.2337 -0.3874	0.347 0.987	0.5856 -0.3658		
659.830 FT		0.23000 FT					
		-19.7002 0.0000 659.4656 FT	-39.618 0,000 0.000 MR				
		3.837 CM 0.931 MR 2.541 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5145 -3.6479 0.0354 -0.5750	-4.0644 -2.4575 -0.2337 -0.3874	0.348 0.987	0.5830 -0.3658		
661.330 FT		1.50000 FT					
		-19.7597 0.0000 660.9644 FT	-39.618 0,000 0.000 MR				
		3.852 CM 0.931 MR 2.559 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5129 -3.6742 0.0354 -0.5750	-4.0751 -2.4752 -0.2337 -0.3874	0.358 0.987	0.5663 -0.3658		
663.830 FT		2.50000 FT					
		-19.8587 0.0000 663.4625 FT	-39.618 0,000 0.000 MR				
		3.878 CM 0.931 MR 2.588 CM	0.389 MR 0.168 CM 2.000 PC				
DRIFT	3.	-1.5102 -3.7180 0.0354 -0.5750	-4.0929 -2.5048 -0.2337 -0.3874	0.374 0.987	0.5384 -0.3658		
664.830 FT		1.50000 FT					

665.330 FT		-19.9181 0.0000 664.9613 FT	-39.618 0.000 0.000 MR		
		3.894 CM 0.931 MR 2,635	0.389 MR 0.168 CM 2,000 PC	0.381 0.988	
		-1.5086 -3.7443 0.0354 -0.5750	-4.1035 -2,5225 -0.2337 -0.3874	0.5217 -0.3658	
DRIFT	3.	"V5."	2.50000 FT		
667.830 FT		-20.0171 0.0000 667.4593 FT	-39.618 0.000 0.000 MR		
		3.922 CM 0.931 MR 2,635 CM	0.389 MR 0.168 CM 2,000 PC	0.398 0.988	
		-1.5059 -3.7881 0.0354 -0.5750	-4.1214 -2,5520 -0.2337 -0.3874	0.4938 -0.3658	
DRIFT	3.		2.49000 FT		
670.320 FT		-20.1157 0.0000 669.9474 FT	-39.618 0.000 0.000 MR		
		3.951 CM 0.931 MR 2,664 CM	0.389 MR 0.168 CM 2,000 PC	0.413 0.988	
		-1.5032 -3.8317 0.0354 -0.5750	-4.1391 -2,5814 -0.2337 -0.3874	0.4660 -0.3658	
ROTAT	2.		4.57275 MR		
670.320 FT		-20.1157 0.0000 669.9474 FT	-39.618 0.000 0.000 MR		
		3.951 CM 0.931 MR 2,664 CM	0.389 MR 0.168 CM 2,000 PC	0.414 0.988	
		-1.5032 -3.8317 0.0353 -0.5753	-4.1391 -2,5814 -0.2334 -0.3872	0.4660 -0.3658	
BEND	4.	"B9"	19.91667 FT 20.10081 KG	0.00000 (2177.761 FT , 9.145 MR)	
690.237 FT		-20.9956 0.0000 689.8445 FT	-48.763 0.000 0.000 MR		
		4.223 CM 0.795 MR 2,898 CM	0.389 MR 0.133 CM 2,000 PC	0.627 0.990	
		-1.4817 -4.1808 0.0355 -0.5747	-4.2808 -2,8164 -0.2334 -0.3872	0.2717 -0.2744	
ROTAT	2.		4.57275 MR		
690.237 FT		-20.9956 0.0000 689.8445 FT	-48.763 0.000 0.000 MR		
		4.223 CM 0.795 MR 2,898 CM	0.389 MR 0.133 CM 2,000 PC	0.627 0.990	
		-1.4817 -4.1808 0.0354 -0.5750	-4.2808 -2,8164 -0.2332 -0.3870	0.2717 -0.2744	
DRIFT	3.		1.29000 FT		
691.527 FT		-21.0584 0.0000 691.1330 FT	-48.763 0.000 0.000 MR		
		4.242 CM 0.795 MR 2,913 CM	0.389 MR 0.133 CM 2,000 PC	0.631 0.990	
		-1.4803 -4.2034 0.0353 -0.5753	-4.2900 -2,8317 -0.2329 -0.3868	0.2609 -0.2743	
ROTAT	2.		4.57275 MR		
691.527 FT		-21.0584 0.0000 691.1330 FT	-48.763 0.000 0.000 MR		
		4.242 CM 0.795 MR 2,913 CM	0.389 MR 0.133 CM 2,000 PC	0.632 0.992	1
		-1.4803 -4.2034 0.0353 -0.5753	-4.2900 -2,8317 -0.2329 -0.3868	0.2609 -0.2743	2
BEND	4.	"B10"	19.91667 FT 20.10081 KG	0.00000 (2177.761 FT , 9.145 MR)	
711.443 FT		-22.1202 0.0000 711.0213 FT	-57.909 0.000 0.000 MR		
		4.565 CM 0.681 MR 3,146 CM	0.389 MR 0.094 CM 2,000 PC	0.812 0.992	
		-1.4588 -4.5524 0.0355 -0.5747	-4.4313 -3,0665 -0.2329 -0.3868	0.1221 -0.1829	
ROTAT	2.		4.57275 MR		
711.443 FT		-22.1202 0.0000 711.0213 FT	-57.909 0.000 0.000 MR		
		4.565 CM 0.682 MR 3,146 CM	0.388 MR 0.094 CM 2,000 PC	0.812 0.991	
		-1.4588 -4.5524 0.0354 -0.5750	-4.4313 -3,0665 -0.2326 -0.3866	0.1221 -0.1829	
DRIFT	3.		1.31000 FT		
712.753 FT		-22.1960 0.0000 712.3291 FT	-57.909 0.000 0.000 MR		
		4.587 CM 0.682 MR 3,162 CM	0.388 MR 0.094 CM 2,000 PC	0.814 0.992	
		-1.4574 -4.5754 0.0354 -0.5750	-4.4406 -3,0819 -0.2326 -0.3866	0.1148 -0.1829	
ROTAT	2.		4.57275 MR		
712.753 FT		-22.1960 0.0000 712.3291 FT	-57.909 0.000 0.000 MR		
		4.587 CM 0.682 MR 3,162 CM	0.388 MR 0.094 CM 2,000 PC	0.814 0.992	
		-1.4574 -4.5754 0.0353 -0.5753	-4.4406 -3,0819 -0.2322 -0.3864	0.1148 -0.1829	
BEND	4.	"B11"	19.91667 FT 20.10081 KG	0.00000 (2177.761 FT , 9.145 MR)	
732.670 FT		-23.4396 0.0000 732.2068 FT	-67.054 0.000 0.000 MR		
		4.930 CM 0.603 MR 3,396 CM	0.388 MR 0.055 CM 2,000 PC	0.947 0.993	8 M
		-1.4359 -4.9245 0.0355 -0.5747	-4.5816 -3,3165 -0.2322 -0.3864	0.0315 -0.0915	33 1
ROTAT	2.		4.57275 MR		
732.670 FT		-23.4396 0.0000 732.2068 FT	-67.054 0.000 0.000 MR		
		4.930 CM 0.603 MR 3,396 CM	0.388 MR 0.055 CM 2,000 PC	0.947 0.993	
		-1.4359 -4.9245 0.0354 -0.5750	-4.5816 -3,3165 -0.2319 -0.3861	0.0315 -0.0915	
DRIFT	3.		1.36000 FT		
734.030 FT		-23.5308 0.0000 733.5637 FT	-67.054 0.000 0.000 MR		
		4.954 CM 0.623 MR 3,411 CM	0.388 MR 0.055 CM 2,000 PC	0.948 0.993	
		-1.4344 -4.9483 0.0354 -0.5750	-4.5912 -3,3325 -0.2319 -0.3861	0.2278 -0.0915	
ROTAT	2.		4.57275 MR		

734.030 FT		-23.5308 0.0000 733.5637 FT	-67.954 0.000 0.000 MR						
		4.954 CM 0.604 MR 3.411 CM	0.388 MR 0.055 CM 2.000 PC						
		-1.4344 -4.9483 0.0353 -0.5753	-4.5912 -3.3325 -0.2316 -0.3859						
•BEND•	4.	"812"	19.91667 FT 20.19081 KG	0.00000 (-2177.761 FT, 9.145 MR)					
753.947 FT		-24.9561 0.0000 753.4293 FT	-76.200 0.000 0.000 MR						
		5.302 CM 0.575 MR 3.645 CM	0.388 MR 0.028 CM 2.000 PC						
		-1.4129 -5.2973 0.0355 -0.5750	-4.7318 -3.5667 -0.2313 -0.3857						
•ROTAT•	2.		4.57275 MR						
753.947 FT		-24.9561 0.0000 753.4293 FT	-76.200 0.000 0.000 MR						
		5.302 CM 0.575 MR 3.645 CM	0.387 MR 0.028 CM 2.000 PC						
		-1.4129 -5.2973 0.0354 -0.5750	-4.7318 -3.5667 -0.2313 -0.3857						
•DRIFT•	3.		3.01000 FT						
756.957 FT		-25.1852 0.0000 756.4305 FT	-76.200 0.000 0.000 MR						
		5.355 CM 0.575 MR 3.681 CM	0.387 MR 0.028 CM 2.000 PC						
		-1.4097 -5.3501 0.0354 -0.5750	-4.7530 -3.6021 -0.2313 -0.3857						
•QUAD•	5.	"011"	10.00000 FT 5.05987 KG	2.54000 CM (-73.78869 FT)					
766.957 FT		-25.9465 0.0000 766.4015 FT	-76.200 0.000 0.000 MR						
		5.159 CM 1.846 MR 4.059 CM	2.126 MR 0.028 CM 2.000 PC						
		-1.3025 -5.1546 0.6598 1.8432	-5.1587 -3.9751 -2.4609 -2.0901						
•DRIFT•	3.		1.50000 FT						
768.457 FT		-26.0607 0.0000 767.8972 FT	-76.200 0.000 0.000 MR						
		5.074 CM 1.846 MR 4.156 CM	2.126 MR 0.028 CM 2.000 PC						
		-1.2723 -5.0703 0.6598 1.8432	-5.2712 -4.0707 -2.4609 -2.0901						
•QUAD•	5.	"012"	10.00000 FT 5.05987 KG	2.54000 CM (-73.78869 FT)					
778.457 FT		-26.8220 0.0000 777.8681 FT	-76.200 0.000 0.000 MR						
		4.177 CM 3.976 MR 5.111 CM	4.211 MR 0.028 CM 2.000 PC						
		-0.9886 -4.1738 1.1802 3.9712	-6.4085 -5.0082 -5.0881 -4.1324						
•DRIFT•	3.		1.50000 FT						
779.957 FT		-26.9361 0.0000 779.3638 FT	-76.200 0.000 0.000 MR						
		3.995 CM 3.976 MR 5.303 CM	4.211 MR 0.028 CM 2.000 PC						
		-0.9347 -3.9922 1.1802 3.9712	-6.6411 -5.1971 -5.0881 -4.1324						
•QUAD•	5.	"013A"	5.00000 FT 4.91839 KG	2.54000 CM (-147.50694 FT)					
784.957 FT		-27.3168 0.0000 784.3493 FT	-76.200 0.000 0.000 MR						
		3.453 CM 3.154 MR 5.852 CM	2.974 MR 0.028 CM 2.000 PC						
		-0.7696 -3.4511 0.9923 3.1504	-7.3006 -5.7360 -3.5420 -2.9199						
•DRIFT•	3.		1.50000 FT						
786.457 FT		-27.4310 0.0000 785.8449 FT	-76.200 0.000 0.000 MR						
		3.309 CM 3.154 MR 5.988 CM	2.974 MR 0.028 CM 2.000 PC						
		-0.7242 -3.3070 0.9923 3.1504	-7.4625 -5.8695 -3.5420 -2.9199						
•QUAD•	5.	"013"	10.00000 FT 4.91839 KG	2.54000 CM (-72.52768 FT)					
796.457 FT		-28.1922 0.0000 795.8159 FT	-76.200 0.000 0.000 MR						
		2.552 CM 1.873 MR 6.475 CM	0.187 MR 0.028 CM 2.000 PC						
		-0.4643 -2.5505 0.7323 1.8692	-8.0206 -6.3484 -0.0785 -0.1868						
•DRIFT•	3.		1.50000 FT						
797.957 FT		-28.3064 0.0000 797.3116 FT	-76.200 0.000 0.000 MR						
		2.466 CM 1.873 MR 6.484 CM	0.187 MR 0.028 CM 2.000 PC						
		-0.4308 -2.4650 0.7323 1.8692	-8.0242 -6.3569 -0.0785 -0.1868						
•QUAD•	5.	"014"	10.00000 FT 4.91839 KG	2.54000 CM (-72.52768 FT)					
807.957 FT		-29.0677 0.0000 807.2825 FT	-76.200 0.000 0.000 MR						
		2.051 CM 0.887 MR 6.107 CM	2.631 MR 0.028 CM 2.000 PC						
		-0.2319 -2.0505 0.5874 0.8816	-7.5127 -5.9888 3.3970 2.5748						
•DRIFT•	3.		2.72000 FT						
810.677 FT		-29.2747 0.0000 809.9946 FT	-76.200 0.000 0.000 MR						
		1.978 CM 0.887 MR 5.889 CM	2.631 MR 0.028 CM 2.000 PC						
		-0.1832 -1.9774 0.5874 0.8816	-7.2311 -5.7754 3.3970 2.5748						
•DRIFT•	3.	"0IK5"	0.00000 FT						
810.677 FT		-29.2747 0.0000 809.9946 FT	-76.200 0.000 0.000 MR						
		1.978 CM 0.887 MR 5.889 CM	2.631 MR 0.028 CM 2.000 PC						
		-0.1832 -1.9774 0.5874 0.8816	-7.2311 -5.7754 3.3970 2.5748						
•DRIFT•	3.		72.20900 FT						

882.886 FT	-34.7717	0.0000	881.9941 FT	-76.200	0.000	0.000 MR	-0.11	-0.851
	0.180 CM	0.887 MR	0.11 CM	2.631 MR	2.000 PC	2.000 PC	0.000	0.000
	0.1096	-0.0371	0.5874	0.028 CM	2.631 MR	0.028 CM	0.101	-0.851
	1.1096	-0.0371	0.5874	0.8816	2.455	0.000 PC	2.5748	0.000
•DRIFT*	3.	"DIK6"	0.00000 FT	-34.7717	0.0000	881.9941 FT	-76.200	0.000 MR
	0.180 CM	0.887 MR	0.115 CM	2.631 MR	0.028 CM	0.000 PC	0.000	0.000
	1.1096	-0.0371	0.5874	0.8816	2.455	0.000 PC	2.5748	0.000
•DRIFT*	3.	"2F "	0.00000 FT	-34.8768	0.0000	883.3701 FT	-76.200	0.000 MR
	0.180 CM	0.887 MR	0.062 CM	2.631 MR	0.028 CM	0.105	0.205	
	1.1343	0.0000	0.5874	0.8816	0.3884	0.0000	3.3970	2.5748
•DRIFT*	3.	"PM2 "	0.00000 FT	-34.8768	0.0000	883.3701 FT	-76.200	0.000 MR
	0.180 CM	0.887 MR	0.062 CM	2.631 MR	0.028 CM	0.105	0.205	
	1.1343	0.0000	0.5874	0.8816	0.3884	0.0000	3.3970	2.5748
•DRIFT*	3.	"PM2 "	0.72000 FT	-34.8768	0.0000	883.3701 FT	-76.200	0.000 MR
	0.180 CM	0.887 MR	0.062 CM	2.631 MR	0.028 CM	0.105	0.205	
	1.1343	0.0000	0.5874	0.8816	0.3884	0.0000	3.3970	2.5748
•DRIFT*	3.	"CBH "	0.72000 FT	-34.9316	0.0000	884.0280 FT	-76.200	0.000 MR
	0.183 CM	0.887 MR	0.093 CM	2.631 MR	0.028 CM	0.210	0.759	
	1.1472	0.0194	0.5874	0.8816	0.4629	0.0565	3.3970	2.5748
•DRIFT*	3.	"CBH "	4.00000 FT	-35.2361	0.0000	888.0764 FT	-76.200	0.000 MR
	0.232 CM	0.887 MR	0.396 CM	2.631 MR	0.028 CM	0.633	0.968	
	1.2188	0.1268	0.5874	0.8816	0.8771	0.3704	3.3970	2.5748
•DRIFT*	3.	"LC2 "	0.00000 FT	-35.3046	0.0000	888.9738 FT	-76.200	0.000 MR
	0.248 CM	0.887 MR	0.467 CM	2.631 MR	0.028 CM	0.633	0.968	
	1.2349	0.1510	0.5874	0.8816	0.9703	0.4411	3.3970	2.5748
•DRIFT*	3.	"LC2 "	0.00000 FT	-35.3046	0.0000	888.9738 FT	-76.200	0.000 MR
	0.248 CM	0.887 MR	0.467 CM	2.631 MR	0.028 CM	0.633	0.968	
	1.2349	0.1510	0.5874	0.8816	0.9703	0.4411	3.3970	2.5748
•DRIFT*	3.	"V6 "	0.889.886 FT	-35.3046	0.0000	888.9738 FT	-76.200	0.000 MR
	0.248 CM	0.887 MR	0.467 CM	2.631 MR	0.028 CM	0.633	0.968	
	1.2349	0.1510	0.5874	0.8816	0.9703	0.4411	3.3970	2.5748
•DRIFT*	3.	"V6 "	0.890.886 FT	-35.3807	0.0000	889.9709 FT	-76.200	0.000 MR
	0.267 CM	0.887 MR	0.547 CM	2.631 MR	0.028 CM	0.690	0.992	
	1.2529	0.1779	0.5874	0.8816	1.0738	0.4111	3.3970	2.5748
•ROTAT*	2.	"BEN3 "	0.00000 MR	-35.3807	0.0000	889.9709 FT	-76.200	0.000 MR
	0.267 CM	0.887 MR	0.547 CM	2.631 MR	0.028 CM	0.741	0.994	
	1.2529	0.1779	0.5874	0.8816	1.0738	0.5196	3.3970	2.5748
•BEN3*	4.	"BEN3 "	0.00000 FT	-36.9032	0.0000	909.9128 FT	-76.200	0.000 MR
	0.760 CM	0.887 MR	2.148 CM	2.631 MR	0.028 CM	0.972	1.030	
	1.6109	0.7153	0.5874	0.8816	3.1446	2.0892	3.3970	2.5748
•ROTAT*	2.	"V6 "	0.00000 MR	-36.9032	0.0000	909.9128 FT	-76.200	0.000 MR
	0.760 CM	0.887 MR	2.148 CM	2.631 MR	0.028 CM	0.972	1.030	
	1.6109	0.7153	0.5874	0.8816	3.1446	2.0892	3.3970	2.5748
•DRIFT*	3.	"V6 "	2.50000 FT	-37.4216	0.0000	916.7031 FT	-76.200	0.000 MR
	0.940 CM	0.887 MR	2.694 CM	2.631 MR	0.028 CM	0.982	1.030	
	1.7329	0.8983	0.5874	0.8816	3.1446	2.0892	3.3970	2.5748
•DRIFT*	3.	"PAR "	86.45800 FT	-37.6120	0.00000	919.1958 FT	-76.200	0.000 MR
	1.096 CM	0.887 MR	2.895 CM	2.631 MR	0.028 CM	0.984	1.030	
	1.7776	0.9655	0.5874	0.8816	4.1086	2.8198	3.3970	2.5748
•DRIFT*	3.	"PAR "	86.45800 FT	-37.6120	0.00000	919.1958 FT	-76.200	0.000 MR

1006.654 FT

-44.1937	0.0000	1005.4029 FT	-76.200	0.000	0.000 MR
3.331 CM	0.887 MR	9.827 CM	2.631 MR	0.028 CM	2.000 PC
3.3255	3.2887	0.5874 0.8816	13.0605	9.6052 3.3070	2.5748 0.999 1.000

SQUAD 5.	"015"	10.00000 FT	-4.26383 KG	2.54000 CM (-83.91022 FT)	
1016.654 FT		-44.9549	0.0000 1015.3739 FT	-76.200 0.000 0.000 MR	
		3.803 CM	2.242 MR 10.045 CM	1.217 MR 0.028 CM 2.000 PC	1.000 -1.000
		3.7043	3.7567 1.9223 2.2195	13.3200 9.8189 -1.7110 -1.1062	0.0000 0.0000

*DRIFT 3.	"016"	4.62000 FT	-45.3066	0.0000 1019.9805 FT	-76.200 0.000 0.000 MR
1021.274 FT		4.118 CM	2.242 MR 9.873 CM	1.217 MR 0.028 CM 2.000 PC	1.000 -1.000
		3.9750	4.0693 1.9223 2.2195	13.0790 9.6518 -1.7110 -1.1062	0.0000 0.0000

*QUAD 5.	"016"	10.00000 FT	-4.26383 KG	2.54000 CM (-83.91022 FT)	
1031.274 FT		-46.0679	0.0000 1029.9515 FT	-76.200 0.000 0.000 MR	
		5.057 CM	3.983 MR 8.938 CM	4.859 MR 0.028 CM 2.000 PC	1.000 -1.000
		4.8070	4.9992 3.5900 3.9415	11.8106 8.7387 -6.5304 -4.7472	0.0000 0.0000

*DRIFT 3.	"011"	1.54000 FT	-46.1851	0.0000 1031.4870 FT	-76.200 0.000 0.000 MR
1032.814 FT		5.244 CM	3.283 MR 8.710 CM	4.859 MR 0.028 CM 2.000 PC	1.000 -1.000
		4.9755	5.1842 3.5900 3.9415	11.5041 8.5159 -6.5304 -4.7472	0.0000 0.0000

*QUAD 5.	"017"	10.00000 FT	3.55423 KG	2.54000 CM (104.32114 FT)	
1042.614 FT		-46.9464	0.0000 1041.4580 FT	-76.200 0.000 0.000 MR	
		6.185 CM	2.141 MR 7.633 CM	2.268 MR 0.028 CM 2.000 PC	1.000 -1.000
		5.8117	6.1156 1.8517 2.1207	10.0462 7.4635 -3.1137 -2.2137	0.0000 0.0000

*DRIFT 3.	"012"	4.66600 FT	-47.3016	0.0000 1046.1105 FT	-76.200 0.000 0.000 MR
1047.480 FT		6.490 CM	2.141 MR 7.310 CM	2.268 MR 0.028 CM 2.000 PC	1.000 -1.000
		6.0750	6.4172 1.8517 2.1207	9.6033 7.1487 -3.1137 -2.2137	0.0000 0.0000

*QUAD 5.	"018"	10.00000 FT	3.55423 KG	2.54000 CM (104.32114 FT)	
1057.480 FT		-48.0628	0.0000 1056.0815 FT	-76.200 0.000 0.000 MR	
		6.818 CM	0.024 MR 6.966 CM	0.023 MR 0.028 CM 2.000 PC	-0.148 -0.208
		6.3367	6.7431 -0.1483 0.0000	9.1104 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.		3.33000 FT	-48.3163	0.0000 1059.4018 FT	-76.200 0.000 0.000 MR
1060.810 FT		6.818 CM	0.024 MR 6.966 CM	0.023 MR 0.028 CM 2.000 PC	-0.147 -0.208
		6.3217	6.7431 -0.1483 0.0000	9.0955 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.	"PM3"	0.00000 FT	-48.3163	0.0000 1059.4018 FT	-76.200 0.000 0.000 MR
1060.810 FT		6.818 CM	0.024 MR 6.966 CM	0.023 MR 0.028 CM 2.000 PC	-0.147 -0.208
		6.3217	6.7431 -0.1483 0.0000	9.0955 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.	"K1"	53.00000 FT	-52.3510	0.0000 1112.2480 FT	-76.200 0.000 0.000 MR
1113.810 FT		6.812 CM	0.024 MR 6.958 CM	0.023 MR 0.028 CM 2.000 PC	-0.142 -0.203
		6.0821	6.7431 -0.1483 0.0000	8.8584 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.		3.14100 FT	-52.5901	0.0000 1115.3799 FT	-76.200 0.000 0.000 MR
1116.951 FT		6.812 CM	0.024 MR 6.958 CM	0.023 MR 0.028 CM 2.000 PC	-0.142 -0.202
		6.0679	6.7431 -0.1483 0.0000	8.8444 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.	"K2"	53.00000 FT	-56.6248	0.0000 1168.2261 FT	-76.200 0.000 0.000 MR
1169.951 FT		6.806 CM	0.024 MR 6.950 CM	0.023 MR 0.028 CM 2.000 PC	-0.136 -0.197
		5.8284	6.7431 -0.1483 0.0000	8.6073 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.		3.43000 FT	-56.8859	0.0000 1171.6462 FT	-76.200 0.000 0.000 MR
1173.381 FT		6.806 CM	0.024 MR 6.950 CM	0.023 MR 0.028 CM 2.000 PC	-0.136 -0.197
		5.8129	6.7431 -0.1483 0.0000	8.5919 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.	"PM4"	0.00000 FT	-56.8859	0.0000 1171.6462 FT	-76.200 0.000 0.000 MR
1173.381 FT		6.806 CM	0.024 MR 6.950 CM	0.023 MR 0.028 CM 2.000 PC	-0.136 -0.197
		5.8129	6.7431 -0.1483 0.0000	8.5919 6.8140 -0.1468 -0.0000	0.0000 -0.0000

*DRIFT 3.		3.00000 FT	-56.8859	0.0000 1171.6462 FT	-76.200 0.000 0.000 MR
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1177.181 FT		-57.1752 0.0000 1175.4352 F 6.806 CM 0.024 MR 6.9 JM 5.7957 6.7431 -0.1483 0.0000	-76.200 0.000 0.000 MR 0.023 MR 0.028 CM 2.000 PC 8.5749 6.8140 -0.1468 -0.0280	-0.1 -0.197 0.0220 -0.0200
1187.181 FT	5.	"019" 10.00000 FT 2.82723 KG -57.9364 0.0000 1185.4061 FT 6.543 CM 1.711 MR 7.219 CM	2.54000 CM (-130.70906 FT) -76.200 0.000 0.000 MR 1.785 MR 0.028 CM 2.000 PC 5.5279 6.4834 -1.5973 -1.6925	-0.000 1.033 0.0000 -0.0000
DRIFT	3.	4.71000 FT -58.2950 0.0000 1190.1025 FT	-76.200 0.000 0.000 MR 6.297 CM 1.711 MR 7.475 CM 5.2986 6.2405 -1.5973 -1.6925	-1.000 1.033 0.0300 -0.0200
QUAD	5.	"020" 10.00000 FT 2.82723 KG -59.0562 0.0000 1200.0735 FT 5.540 CM 3.226 MR 8.318 CM	2.54000 CM (-130.70906 FT) -76.200 0.000 0.000 MR 3.780 MR 0.028 CM 2.000 PC 4.6140 5.4909 -2.8658 -3.1937	-1.000 1.033 0.0000 -0.0000
DRIFT	3.	1.43700 FT -59.1656 0.0000 1201.5063 FT	-76.200 0.000 0.000 MR 5.398 CM 3.226 MR 8.483 CM 4.4885 5.3511 -2.8658 -3.1937	-1.000 1.033 0.0300 -0.0200
QUAD	5.	"021" 10.00000 FT 3.16247 KG -59.9269 0.0000 1211.4773 FT 4.637 CM 1.809 MR 9.254 CM	2.54000 CM (-113.69962 FT) -76.200 0.000 0.000 MR 1.239 MR 0.028 CM 2.000 PC 3.7983 4.5971 -1.6957 -1.7891	-1.000 1.033 0.0300 -0.0200
DRIFT	3.	4.74000 FT -60.2877 0.0000 1216.2035 FT	-76.200 0.000 0.000 MR 4.375 CM 1.809 MR 9.433 CM 3.5533 4.3386 -1.6957 -1.7891	-1.000 1.033 0.0000 -0.0000
QUAD	5.	"022" 10.00000 FT 3.16247 KG -61.0490 0.0000 1226.1745 FT	2.54000 CM (-113.69962 FT) -76.200 0.000 0.000 MR 4.007 CM 0.627 MR 9.399 CM 3.1841 3.9748 -0.7445 -0.6153	-0.998 -1.033 0.0000 -0.0000
DRIFT	3.	2.18000 FT -61.2150 0.0000 1226.3482 FT	-76.200 0.000 0.000 MR 3.965 CM 0.627 MR 9.302 CM 3.1346 3.9339 -0.7445 -0.6153	-0.998 -1.033 0.0000 -0.0000
DRIFT	3.	"V7" 2.50000 FT -61.4053 0.0000 1230.8409 FT	-76.200 0.000 0.000 MR 3.918 CM 0.627 MR 9.191 CM 3.0779 3.8871 -0.7445 -0.6153	-0.998 -1.033 0.0000 -0.0000
DRIFT	3.	1.40000 FT -61.5118 0.0000 1232.2369 FT	-76.200 0.000 0.000 MR 3.891 CM 0.627 MR 9.129 CM 3.0461 3.8608 -0.7445 -0.6153	-0.998 -1.033 0.0000 -0.0000
DRIFT	3.	"V8" 2.50000 FT -61.7022 0.0000 1234.7296 FT	-76.200 0.000 0.000 MR 3.843 CM 0.627 MR 9.018 CM 2.9894 3.8139 -0.7445 -0.6153	-0.998 -1.033 0.0000 -0.0000
DRIFT	3.	6.26000 FT -62.1787 0.0000 1240.9715 FT	-76.200 0.000 0.000 MR 3.724 CM 0.627 MR 8.740 CM 2.8473 3.6965 -0.7445 -0.6153	-0.998 -1.033 0.0000 -0.0000
DRIFT	3.	"K3" 94.79600 FT -69.3951 0.0000 1335.4924 FT	-76.200 0.000 0.000 MR 1.922 CM 0.627 MR 4.526 CM 0.6962 1.9187 -0.7445 -0.6153	-0.991 -1.033 0.0300 -0.0200
DRIFT	3.	122.32300 FT -77.1830 0.0000 1437.4985 FT	-76.200 0.000 0.000 MR 0.258 CM 0.627 MR 0.111 CM -1.6252 0.0000 -0.7445 -0.6153	0.189 0.204 -2.0020 -0.0200
DRIFT*	3.	"3F" 0.00000 FT		

1440.087 FT

-77.1830	0.0000	1437.4985 FT	-76.200	0.000	0.000 MR						
0.258 CM	0.627 MR	0.111 CM	1.458 MR	0.028 CM	2.000 PC	0.189	0.204				
-1.6252	0.0000	-0.7445	-0.6153	-0.7004	-0.0000	-1.8706	-1.4278	-0.0001	-0.0000		

DRIFT 3. "PH5"

0.00000 FT	-77.1830	0.0000	1437.4985 FT	-76.200	0.000	0.000 MR					
0.258 CM	0.627 MR	0.111 CM	1.458 MR	0.028 CM	2.000 PC	0.189	0.204				
-1.6252	0.0000	-0.7445	-0.6153	-0.7004	-0.0000	-1.8706	-1.4278	-0.0000	-0.0000		

LENGTH 1440.00664 FT

TTTTTTTTTTTTTTT	FFFFFFF FFFFF FFFF	444	444	000000000	000000000	000000000	LLL
TTTTTTTTTTTTTTT	FFFFFFF FFFFF FFFF	444	444	000000000	000000000	000000000	LLL
TTTTTTTTTTTTTTT	FFFFFFF FFFFF FFFF	444	444	000000000	000000000	000000000	LLL
TTT	FFF	444	444	000	000	000	LLL
TTT	FFF	444	444	000	000	000	LLL
TTT	FFF	444	444	000	000	000	LLL
TTT	FFF	444	444	000	0000000	000	LLL
TTT	FFF	444	444	000	0000000	000	LLL
TTT	FFF	444	444	000	0000000	000	LLL
TTT	FFFFFFF FFFF	444444444444444	444	000	000	000	LLL
TTT	FFFFFFF FFFF	444444444444444	444	000	000	000	LLL
TTT	FFFFFFF FFFF	444444444444444	444	000	000	000	LLL
TTT	FFF	444	444	0000000	000	0000000	LLL
TTT	FFF	444	444	0000000	000	0000000	LLL
TTT	FFF	444	444	0000000	000	0000000	LLL
TTT	FFF	444	444	000	000	000	LLL
TTT	FFF	444	444	000	000	000	LLL
TTT	FFF	444	444	000	000	000	LLL
TTT	FFF	444	444	000000000	000000000	000000000	LLLLLLLLLLLLLLL
TTT	FFF	444	444	000000000	000000000	000000000	LLLLLLLLLLLLLLL
TTT	FFF	444	444	000000000	000000000	000000000	LLLLLLLLLLLLLLL

DDDDDDDDDDDDDD	AAAAAAA	TTTTTTTTTTTTTT			
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DDD	DDD	AAA	AAA	TTT	
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DDDDDDDDDDDDDD	AAA	AAA	TTT		
DDDDDDDDDDDDDD	AAA	AAA	TTT		
DDDDDDDDDDDDDD	AAA	AAA	TTT		

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LPTSP1 VERSION 6(344) RUNNING ON LPT000
 START USER ECKI UND,S. [105,711] JOB TF400W SEQ1 26126 DATE 03-MAY-77 22:22:34 MONITOR FERMILAB 602.1 *START*
 REQUEST CREATED: 03-MAY-77 22:19:02
 FILE: DSKC0:TF400L.DAT[105,711] CREATED: 29-APR-77 15:52:00 <155> PRINTED: 03-MAY-77 22:25:14
 QUEUE SWITCHES: /PRINT1ARROW /FILE:FORT /COPIEST1 /SPACING:1 /LIMIT:370 /FORMS:NORMAL
 FILE WILL BE RENAMED TO <055> PROTECTION

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400 GEM HUONG KH

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2.0		3.880161			
3.0		1.337001			
2.0		3.880161			
4.000	"B7 "	19.91667	17.05637	0.000001	
2.0		3.880161			
3.0		1.342001			
2.0		3.880161			
4.000	"B8 "	19.91667	17.05637	0.000001	
2.0		3.880161			
3.0		1.820001			
5.00	"06 "	5.070001	3.00000	2.540001	
3.0		1.599001			
3.0	"V1 "	2.500001			
3.0		1.419001			
3.0		0.229001			
3.0	"C4V "	6.000001			
3.0		0.229001			
3.0		2.403001			
5.00	"07 "	10.00000	-4.70903	2.540001	
3.0		2.625001			
3.0	"NIK1"	0.000001			
3.0		94.076001			
3.0	"NIK2"	0.000001			
3.0		7.260001			
3.0		0.115001			
3.0	"RSI "	3.000001			
3.0		0.115001			
3.0		26.718001			
5.00	"08 "	7.00000	4.54085	2.540001	
3.0		4.220001			
5.00	"09 "	4.33300	0.00000	2.540001	
3.0		1.410001			
5.00	"010 "	4.33300	0.00000	2.540001	
3.0		6.250001			
3.0	"V3 "	2.500001			
3.0		10.469001			
3.0		0.292001			
3.0	"C5H "	4.000001			
3.0		0.293001			
3.0		0.830001			
3.0		0.230001			
3.0	"C6V "	4.000001			
3.0		0.230001			
3.0		0.960001			
3.0	"JF "	0.000001			
-10.	"JF12"	-1.00000	2.00000	0.00000	0.000101
-10.	"JF34"	-3.00000	4.00000	0.00000	0.000101
3.0	"PM1 "	0.000001			
3.0	"IC1 "	0.000001			
3.0		3.515001			
3.0	"NIK3"	0.000001			
3.0		195.158001			
3.0	"NIK4"	0.000001			
3.0		5.010001			
3.0		0.230001			
3.0	"C7V "	4.000001			
3.0		0.230001			
3.0		1.500001			
3.0	"C7H "	2.500001			
3.0		1.500001			

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3.0		"R10"	19.91667	20.10081	0.000001
2.0		"R10"	19.91667	20.10081	0.000001
2.0		"R11"	19.91667	20.10081	0.000001
2.0		"R11"	19.91667	20.10081	0.000001
3.0		"R12"	19.91667	20.10081	0.000001
2.0		"R12"	19.91667	20.10081	0.000001
2.0		"R12"	19.91667	20.10081	0.000001
3.0		"R12"	19.91667	20.10081	0.000001
5.00		"011"	10.00000	5.05987	2.540001
5.00		"011"	10.00000	5.05987	2.540001
5.00		"012"	10.00000	5.05987	2.540001
5.00		"012"	10.00000	5.05987	2.540001
3.0		"013A"	1.502200	-4.91839	2.540001
5.00		"013A"	1.502200	-4.91839	2.540001
5.00		"013"	10.002200	-4.91839	2.540001
5.00		"014"	10.002200	-4.91839	2.540001
3.0		"014"	10.002200	-4.91839	2.540001
3.0		"015"	0.000001		
3.0		"015"	7.202000		
3.0		"015"	0.000001		
3.0		"015"	1.380000		
3.0		"2F"	0.000001		
-16.		"2F12"	1.00000	2.00000	0.000010
-17.		"2F34"	3.00000	4.00000	0.000010
3.0		"PM2"	0.000001		
3.0		"PM2"	0.122000		
3.0		"P8H"	4.000001		
3.0		"P8H"	0.122000		
3.0		"IC2"	0.000001		
3.0		"IC2"	0.000001		
2.0		"R13"	20.00000	0.000001	0.000001
2.0		"R13"	20.00000	0.000001	0.000001
2.0		"2F16"	0.000001	6.00000	0.000010
-27.		"2F26"	0.000001	6.00000	0.000010
3.0		"V6"	6.010001		
3.0		"V6"	2.500001		
3.0		"PAR"	36.458001		
5.00		"015"	10.00000	-5.15429	2.540001
5.00		"015"	10.00000	-5.15429	2.540001
5.00		"016"	10.00000	-5.15429	2.540001
3.0		"011"	7.926001		
5.00		"017"	10.00000	3.77344	2.540001
3.0		"012"	1.500001		
5.00		"018"	10.00000	3.77344	2.540001
3.0		"PM3"	3.330701		
3.0		"PM3"	0.000020		
•10.		"3F22"	12.00000	2.00000	0.00010
•10.		"3F44"	4.00000	4.00000	0.00010

3.0	"K1 "	103.00000			
3.0		3.14100			
3.0	"K2 "	53.00000			
3.0		3.43000			
3.0	"PM4 "	0.00000			
3.0		3.82200			
* 5.00	"Q19 "	10.00000	2.82723	2.54000	
3.0		4.71000			
* 5.00	"Q20 "	10.00000	2.82723	2.54000	
3.0		1.43700			
* 5.00	"Q21 "	10.00000	-3.16247	2.54000	
3.0		4.74000			
* 5.00	"Q22 "	10.00000	-3.16247	2.54000	
3.0		2.18000			
3.0	"V7 "	2.50000			
3.0		1.40000			
3.0	"V8 "	2.50000			
3.0		6.26000			
3.0	"K3 "	94.79600			
3.0		102.30300			
3.0	"3F "	0.00000			
-10.	"3F12"	1.00000	2.00000	0.00000	0.00010
-10.	"3F34"	-3.00000	4.00000	0.00000	0.00010
3.0	"PM5 "	0.00000			

SENTINEL

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	R11	R12	R21	R22	R33	R34	R43	R44	R16	R26
BEAM	1.									
BEAM 0.000 FT	400.00000 GEV									
0.000 0.00000 FT	0.0000 0.00000 FT	0.0000 0.00000 MR	0.0000 0.00000 CH	0.0000 0.00000 CM	0.0000 0.00000 PC					
0.159 CM	0.159 CM	0.159 CM	0.159 CM	0.159 CM	0.159 CM	0.159 CM	0.159 CM	0.159 CM	0.159 CM	0.159 CM
THEIA	16.	"0F "								
DRIFT 0.000 FT	0.00000 FT	0.00000 FT	-3.000 0.000 MR	0.00000 CH						
19. "30000E+01	0.00000 FT	0.00000 FT	0.00000 MR	0.00000 MR	0.00000 MR	0.00000 MR	0.00000 MR	0.00000 MR	0.00000 MR	0.00000 MR
DRIFT 3."	16.500 FT	16.500 FT	-0.0495 0.00000	16.4999 FT	-3.000 0.000 MR	0.00000 CH				
25.000 FT	0.00000 FT	0.00000 FT	-0.0750 0.00000	24.9999 FT	-3.000 0.000 MR	0.00000 CH				
DRIFT 3."	3." "C2 "	8.50000 FT	0.527 CM	0.1002 MR 0.527 CM	1.00000 0.5029	0.00000 0.5029	0.00000 0.5029	0.00000 0.5029	0.00000 0.5029	0.00000 0.5029
25.000 FT	0.00000 FT	0.00000 FT	0.78 CH	1.0002 MR 0.78 CH	1.00000 0.7620	0.00000 0.7620	0.00000 0.7620	0.00000 0.7620	0.00000 0.7620	0.00000 0.7620
DRIFT 3."	1.50000 FT	1.50000 FT	-0.0795 0.00000	26.4999 FT	-3.000 0.000 MR	0.00000 CH				
26.500 FT	0.00000 FT	0.00000 FT	0.823 CM	0.1002 MR 0.823 CM	1.00000 0.8077	0.00000 0.8077	0.00000 0.8077	0.00000 0.8077	0.00000 0.8077	0.00000 0.8077
DRIFT 3."	3." "C3 "	1.05000 FT	0.00000 FT	0.1050 0.00000	34.9998 FT	-3.000 0.000 MR	0.00000 CH	0.00000 CH	0.00000 CH	0.00000 CH
35.000 FT	0.00000 FT	0.00000 FT	1.079 CM	1.0002 MR 1.079 CM	1.00000 1.0668	0.00000 1.0668	0.00000 1.0668	0.00000 1.0668	0.00000 1.0668	0.00000 1.0668
DRIFT 3."	1.50000 FT	1.50000 FT	-0.1095 0.00000	36.4998 FT	-3.000 0.000 MR	0.00000 CH				
36.500 FT	0.00000 FT	0.00000 FT	1.124 CM	1.1002 MR 1.124 CM	1.00000 1.1125	0.00000 1.1125	0.00000 1.1125	0.00000 1.1125	0.00000 1.1125	0.00000 1.1125
DRIFT 3."	3." "C4 "	1.00000 FT	1.00000 FT	-0.1350 0.00000	44.9998 FT	-3.000 0.000 MR	0.00000 CH	0.00000 CH	0.00000 CH	0.00000 CH
45.000 FT	0.00000 FT	0.00000 FT	1.381 CM	1.0002 MR 1.381 CM	1.00000 1.3716	0.00000 1.3716	0.00000 1.3716	0.00000 1.3716	0.00000 1.3716	0.00000 1.3716
DRIFT 3."	45.100 FT	45.100 FT	-0.1353 0.00000	45.0998 FT	-3.000 0.000 MR	0.00000 CH				
45.100 FT	0.00000 FT	0.00000 FT	1.384 CM	1.0002 MR 1.384 CM	1.00000 1.3746	0.00000 1.3746	0.00000 1.3746	0.00000 1.3746	0.00000 1.3746	0.00000 1.3746
DRIFT 3."	51.400 FT	51.400 FT	-0.1353 0.00000	45.0998 FT	-3.000 0.000 MR	0.00000 CH				
51.400 FT	0.00000 FT	0.00000 FT	1.384 CM	1.0002 MR 1.384 CM	1.00000 1.3746	0.00000 1.3746	0.00000 1.3746	0.00000 1.3746	0.00000 1.3746	0.00000 1.3746
DRIFT 3."	6.30000 FT	6.30000 FT	-0.1542 0.00000	51.3998 FT	-3.000 0.000 MR	0.00000 CH				
6.30000 FT	0.00000 FT	0.00000 FT	1.575 CM	1.0002 MR 1.575 CM	1.00000 1.5667	0.00000 1.5667	0.00000 1.5667	0.00000 1.5667	0.00000 1.5667	0.00000 1.5667
OUAN	5."	"01 "	1.00000 FT	"3.11122 KG	"5.4000 CM	"3.11122 KG	"5.4000 CM	"3.11122 KG	"5.4000 CM	"3.11122 KG
61.400 FT	0.00000 FT	0.00000 FT	1.842 CM	1.00000 61.3997 FT	0.00000 61.3997 FT					
OUAN	5."	"02 "	1.950 CM	1.488 MR 1.807 CM	0.527 MR 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR
72.463 FT	0.00000 FT	0.00000 FT	1.0429 1.9431	0.2838 1.4876	0.9577 0.9577	0.00000 1.0429	0.00000 1.0429	0.00000 1.0429	0.00000 1.0429	0.00000 1.0429
DRIFT 3."	62.463 FT	62.463 FT	-0.1874 0.00000	62.4627 FT	-3.000 0.000 MR	0.00000 CH				
62.463 FT	0.00000 FT	0.00000 FT	1.998 CM	1.488 MR 1.824 CM	0.527 MR 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR	0.00000 0.527 MR
OUAN	5."	"02 "	1.0521 1.9913	0.2838 1.4876	0.9487 0.9487	0.00000 1.0521	0.00000 1.0521	0.00000 1.0521	0.00000 1.0521	0.00000 1.0521
72.463 FT	0.00000 FT	0.00000 FT	2.544 CM	2.119 MR 2.4627 FT	1.8178 1.8178	0.00000 2.544 CM				
DRIFT	3."	"03 "	1.1851 2.5367	0.5946 2.1166	0.8988 0.8988	0.00000 1.1851	0.00000 1.1851	0.00000 1.1851	0.00000 1.1851	0.00000 1.1851

73.535		-0.2206 0.0000 73.5347 FT	-3.000 0.000 0.000 MR				
		2.613 CM 2.119 MR 1.90 M	0.084 MR 0.000 CM 2.000 PC				
		1.2045 2.6059 0.5946 2.1166	0.8085 1.8988 -0.5259 0.0018			1.000	-0.046
QUAN	5.	"03"	10.00000 FT -3.11122 KG	2.54000 CM (-115.59959 FT)		0.0000	0.0000
83.535 FT		-0.2506 0.0000 83.5346 FT	-3.000 0.000 0.000 MR				
		3.380 CM 2.951 MR 1.822 CM	0.535 MR 0.000 CM 2.000 PC			1.000	-0.987
DRIFT	3.	1.4401 3.3722 0.9620 2.9471	0.6162 1.8190 -0.7266 -0.5221			0.0000	0.0000
84.855 FT		1.32000 FT					
		-0.2546 0.0000 84.8546 FT	-3.000 0.000 0.000 MR				
		3.499 CM 2.951 MR 1.800 CM	0.535 MR 0.000 CM 2.000 PC			1.000	-0.985
ROTAT	2.	1.4788 3.4907 0.9620 2.9471	0.5870 1.7980 -0.7266 -0.5221			0.0000	0.0000
84.855 FT		1.33367 MR					
		-0.2546 0.0000 84.8546 FT	-3.000 0.000 0.000 MR				
		3.499 CM 2.951 MR 1.800 CM	0.535 MR 0.000 CM 2.000 PC			1.000	-0.986
BEND	4.	"R1"	10.25000 FT 11.39147 KG	0.00000 (3842.767 FT)		2.667 MR	
95.105 FT		-0.2990 0.0000 95.1045 FT	-5.667 0.000 0.000 MR				
		4.421 CM 2.952 MR 1.636 CM	0.535 MR 0.011 CM 2.000 PC			1.000	-0.983
ROTAT	2.	1.7793 4.4115 0.9620 2.9471	0.3600 1.6348 -0.7266 -0.5221			0.0042	0.0267
95.105 FT		1.33367 MR					
		-0.2990 0.0000 95.1045 FT	-5.667 0.000 0.000 MR				
		4.421 CM 2.952 MR 1.636 CM	0.535 MR 0.011 CM 2.000 PC			1.000	-0.983
DRIFT	3.	1.7793 4.4115 0.9620 2.9471	0.3600 1.6348 -0.7267 -0.5221			0.0042	0.0267
96.345 FT		1.24000 FT					
		-0.3060 0.0000 96.3445 FT	-5.667 0.000 0.000 MR				
		4.532 CM 2.952 MR 1.616 CM	0.535 MR 0.011 CM 2.000 PC			1.000	-0.983
ROTAT	2.	1.8157 4.5228 0.9620 2.9471	0.3325 1.6151 -0.7267 -0.5221			0.0052	0.0267
96.345 FT		1.33367 MR					
		-0.3060 0.0000 96.3445 FT	-5.667 0.000 0.000 MR				
		4.532 CM 2.952 MR 1.616 CM	0.535 MR 0.011 CM 2.000 PC			1.000	-0.983
BEND	4.	"R2"	10.25000 FT 11.39147 KG	0.00200 (3842.767 FT)		2.667 MR	
106.595 FT		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR				
		5.454 CM 2.953 MR 1.452 CM	0.535 MR 0.024 CM 2.000 PC			1.000	-0.979
ROTAT	2.	2.1162 5.4436 0.9620 2.9470	0.1055 1.4520 -0.7267 -0.5222			0.0177	0.0533
106.595 FT		1.33367 MR					
		-0.3778 0.0000 106.5942 FT	-8.335 0.000 0.000 MR				
		5.454 CM 2.953 MR 1.452 CM	0.535 MR 0.024 CM 2.000 PC			1.000	-0.979
DRIFT	3.	2.1162 5.4436 0.9620 2.9471	0.1055 1.4520 -0.7267 -0.5222			0.0177	0.0533
107.920 FT		1.32500 FT					
		-0.3888 0.0000 107.9192 FT	-8.335 0.000 0.000 MR				
		5.573 CM 2.953 MR 1.431 CM	0.535 MR 0.024 CM 2.000 PC			1.000	-0.978
QUAN	5.	"04"	10.00000 FT 3.51124 KG	2.54000 CM (105.57753 FT)			
117.920 FT		-0.4722 0.0000 117.9189 FT	-8.335 0.000 0.000 MR			0.0198	0.0533
		6.193 CM 1.082 MR 1.339 CM	0.147 MR 0.024 CM 2.000 PC			0.997	-0.988
DRIFT	3.	2.3407 6.1810 0.2464 1.0778	-0.1452 1.3386 -0.7375 -0.0884			0.0349	0.0446
118.995 FT		1.07500 FT					
		-0.4811 0.0000 118.9938 FT	-8.335 0.000 0.000 MR				
		6.228 CM 1.082 MR 1.336 CM	0.147 MR 0.024 CM 2.000 PC			0.997	-0.986
QUAN	5.	"05"	10.00000 FT 3.51124 KG	2.54200 CM (105.57753 FT)			
128.995 FT		-0.5645 0.0000 128.9935 FT	-8.335 0.000 0.000 MR			0.0363	0.0446
		6.254 CM 0.911 MR 1.375 CM	0.361 MR 0.024 CM 2.000 PC			-0.996	0.947
DRIFT	3.	2.3105 6.2428 -0.4953 -0.9054	-0.4060 1.3731 -0.8276 0.3359			0.0480	0.312
130.339 FT		1.34400 FT					
		-0.5757 0.0000 130.3374 FT	-8.335 0.000 0.000 MR				
		6.217 CM 0.911 MR 1.389 CM	0.361 MR 0.024 CM 2.000 PC			-0.996	0.946
ROTAT	2.	2.2903 6.2057 -0.4953 -0.9054	-0.4399 1.3869 -0.8276 0.3359			0.0493	0.0312
		1.33367 MR					

130.339 FT		-0.5757 0.0000 130.3374 FT	-8.335 0.000 0.000 MR				
		6.217 CM 0.911 MR 1.389 CM	0.361 MR 0.024 CM 2.000 PC	-0.996	0.948		
		2.2903 6.2057 -0.4952 -0.9053	-0.4399 1.3869 -0.8276 0.3359	0.0493	0.0312		
BEND	4.	"83 "	10.25000 FT 11.39147 KG	0.00000 (3842.767 FT . 2.667 MR)			
140.589 FT		-0.6748 0.0000 140.5869 FT	-11.002 0.000 0.000 MR				
		5.934 CM 0.916 MR 1.496 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956		
		2.1355 5.9228 -0.4953 -0.9054	-0.6985 1.4918 -0.8276 0.3359	0.0632	0.0579		
ROTAT	2:	1.33367 MR					
140.589 FT		-0.6748 0.0000 140.5869 FT	-11.002 0.000 0.000 MR				
		5.934 CM 0.916 MR 1.496 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956		
		2.1355 5.9228 -0.4953 -0.9054	-0.6985 1.4918 -0.8276 0.3359	0.0632	0.0579		
DRIFT	3:	1.20800 FT					
141.797 FT		-0.6881 0.0000 141.7949 FT	-11.002 0.000 0.000 MR				
		5.901 CM 0.916 MR 1.509 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956		
		2.1173 5.8895 -0.4953 -0.9054	-0.7290 1.5042 -0.8276 0.3359	0.0653	0.0579		
ROTAT	2:	1.33367 MR					
141.797 FT		-0.6881 0.0000 141.7949 FT	-11.002 0.000 0.000 MR				
		5.901 CM 0.916 MR 1.509 CM	0.361 MR 0.040 CM 2.000 PC	-0.989	0.956		
		2.1173 5.8895 -0.4952 -0.9053	-0.7290 1.5042 -0.8276 0.3359	0.0653	0.0579		
BEND	4:	"84 "	10.25000 FT 11.39147 KG	0.00000 (3842.767 FT . 2.667 MR)			
152.047 FT		-0.8145 0.0000 152.0441 FT	-13.669 0.000 0.000 MR				
		5.618 CM 0.924 MR 1.617 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.962		
		1.9626 5.6067 -0.4953 -0.9054	-0.9875 1.6091 -0.8276 0.3359	0.0876	0.0846		
ROTAT	2:	1.33367 MR					
152.047 FT		-0.8145 0.0000 152.0441 FT	-13.669 0.000 0.000 MR				
		5.618 CM 0.924 MR 1.617 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.962		
		1.9626 5.6067 -0.4953 -0.9054	-0.9875 1.6091 -0.8276 0.3359	0.0876	0.0846		
DRIFT	3:	1.22200 FT					
153.269 FT		-0.8312 0.0000 153.2660 FT	-13.669 0.000 0.000 MR				
		5.584 CM 0.924 MR 1.630 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.963		
		1.9441 5.5729 -0.4953 -0.9054	-1.0183 1.6216 -0.8276 0.3359	0.0907	0.0846		
ROTAT	2:	1.33367 MR					
153.269 FT		-0.8312 0.0000 153.2660 FT	-13.669 0.000 0.000 MR				
		5.584 CM 0.924 MR 1.630 CM	0.361 MR 0.055 CM 2.000 PC	-0.976	0.963		
		1.9441 5.5729 -0.4952 -0.9053	-1.0183 1.6216 -0.8276 0.3359	0.0907	0.0846		
BEND	4:	"85 "	10.25000 FT 11.39147 KG	0.00000 (3842.767 FT . 2.667 MR)			
163.519 FT		-0.9850 0.0000 163.5148 FT	-16.337 0.000 0.000 MR				
		5.303 CM 0.936 MR 1.738 CM	0.361 MR 0.070 CM 2.000 PC	-0.959	0.967		
		1.7894 5.2901 -0.4953 -0.9054	-1.2769 1.7266 -0.8276 0.3359	0.1213	0.1112		
ROTAT	2:	1.33367 MR					
163.519 FT		-0.9850 0.0000 163.5148 FT	-16.337 0.000 0.000 MR				
		5.303 CM 0.936 MR 1.738 CM	0.361 MR 0.070 CM 2.000 PC	-0.959	0.967		
		1.7894 5.2901 -0.4953 -0.9054	-1.2769 1.7266 -0.8276 0.3358	0.1213	0.1112		
DRIFT	3:	1.34000 FT					
164.859 FT		-1.0069 0.0000 164.8546 FT	-16.337 0.000 0.000 MR				
		5.267 CM 0.936 MR 1.753 CM	0.361 MR 0.070 CM 2.000 PC	-0.958	0.968		
		1.7691 5.2531 -0.4953 -0.9054	-1.3107 1.7403 -0.8276 0.3358	0.1259	0.1112		
DRIFT	3:	0.29100 FT					
165.150 FT		-1.0116 0.0000 165.1456 FT	-16.337 0.000 0.000 MR				
		5.259 CM 0.936 MR 1.756 CM	0.361 MR 0.070 CM 2.000 PC	-0.958	0.968		
		1.7648 5.2451 -0.4953 -0.9054	-1.3180 1.7432 -0.8276 0.3358	0.1268	0.1112		
DRIFT	3:	"C3H"	6.00000 FT				
171.150 FT		-1.1096 0.0000 171.1448 FT	-16.337 0.000 0.000 MR				
		5.095 CM 0.936 MR 1.820 CM	0.361 MR 0.070 CM 2.000 PC	-0.955	0.972		
		1.6742 5.0795 -0.4953 -0.9054	-1.4694 1.8047 -0.8276 0.3358	0.1472	0.1112		
DRIFT	3:	0.29200 FT					
171.442 FT		-1.1144 0.0000 171.4368 FT	-16.337 0.000 0.000 MR				
		5.087 CM 0.936 MR 1.823 CM	0.361 MR 0.070 CM 2.000 PC	-0.955	0.970		
		1.6698 5.0714 -0.4953 -0.9054	-1.4767 1.8077 -0.8276 0.3358	0.1482	0.1112		
DRIFT	3:	1.35800 FT					

172.800		-1.1366 0.0000 172.7946 FT	-16.337 0.000 0.000 MR			
		5.050 CM 0.936 MR 1.8 CM	0.361 MR 0.070 CM 2.000 PC	-0.9	0.971	
		1.6493 5.0340 -0.4953 -0.9054	-1.5110 1.8216 -0.8276 0.3358	0.1528	0.1112	
ROTAT	2:	3.88016 MR				
		-1.1366 0.0000 172.7946 FT	-16.337 0.000 0.000 MR			
		5.050 CM 0.935 MR 1.837 CM	0.361 MR 0.070 CM 2.000 PC	-0.955	0.971	
BEND	4:	"B6 "	1.6493 5.0340 -0.4952 -0.9051	-1.5110 1.8216 -0.8275 0.3357	0.1528	0.1112
		19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)			
		192.717 FT	-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR		
		4.516 CM 0.984 MR 2.051 CM	0.361 MR 0.107 CM 2.000 PC	-0.876	0.977	
		1.3486 4.4844 -0.4953 -0.9056	-2.0133 2.0254 -0.8275 0.3357	0.2439	0.1888	
ROTAT	2:	3.88016 MR				
		-1.5392 0.0000 192.7071 FT	-24.097 0.000 0.000 MR			
		4.516 CM 0.984 MR 2.051 CM	0.361 MR 0.107 CM 2.000 PC	-0.876	0.977	
		1.3486 4.4844 -0.4953 -0.9054	-2.0133 2.0254 -0.8274 0.3356	0.2439	0.1888	
DRIFT	3:	1.33700 FT				
		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR			
		4.481 CM 0.984 MR 2.065 CM	0.361 MR 0.107 CM 2.000 PC	-0.874	0.977	
		1.3284 4.4475 -0.4953 -0.9054	-2.0470 2.0390 -0.8274 0.3356	0.2516	0.1888	
ROTAT	2:	3.88016 MR				
		-1.5714 0.0000 194.0437 FT	-24.097 0.000 0.000 MR			
		4.481 CM 0.984 MR 2.065 CM	0.360 MR 0.107 CM 2.000 PC	-0.874	0.977	
		1.3284 4.4475 -0.4952 -0.9051	-2.0470 2.0390 -0.8273 0.3355	0.2516	0.1888	
BEND	4:	"B7 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)		
		213.970 FT	-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR		
		3.978 CM 1.054 MR 2.279 CM	0.360 MR 0.140 CM 2.000 PC	-0.746	0.981	
		1.0278 3.8979 -0.4953 -0.9056	-2.5492 2.2427 -0.8273 0.3355	0.3897	0.2664	
ROTAT	2:	3.88016 MR				
		-2.1286 0.0000 213.9526 FT	-31.857 0.000 0.000 MR			
		3.978 CM 1.053 MR 2.279 CM	0.360 MR 0.140 CM 2.000 PC	-0.746	0.981	
		1.0278 3.8979 -0.4953 -0.9054	-2.5492 2.2427 -0.8272 0.3354	0.3897	0.2664	
DRIFT	3:	1.34200 FT				
		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR			
		3.946 CM 1.053 MR 2.294 CM	0.360 MR 0.140 CM 2.000 PC	-0.741	0.981	
		1.0075 3.8608 -0.4953 -0.9054	-2.5831 2.2565 -0.8272 0.3354	0.4006	0.2664	
ROTAT	2:	3.88016 MR				
		-2.1713 0.0000 215.2939 FT	-31.857 0.000 0.000 MR			
		3.946 CM 1.053 MR 2.294 CM	0.360 MR 0.140 CM 2.000 PC	-0.741	0.981	
		1.0075 3.8608 -0.4952 -0.9052	-2.5831 2.2565 -0.8270 0.3353	0.4006	0.2665	
BEND	4:	"B8 "	19.91667 FT 17.05637 KG	0.00000 (2566.476 FT , 7.760 MR)		
		235.229 FT	-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR		
		3.514 CM 1.142 MR 2.508 CM	0.360 MR 0.168 CM 2.000 PC	-0.549	0.984	
		0.7069 3.3112 -0.4953 -0.9055	-3.0851 2.4600 -0.8270 0.3353	0.5859	0.3440	
ROTAT	2:	3.88016 MR				
		-2.8829 0.0000 235.1978 FT	-39.618 0.000 0.000 MR			
		3.514 CM 1.142 MR 2.508 CM	0.360 MR 0.168 CM 2.000 PC	-0.549	0.984	
		0.7069 3.3112 -0.4953 -0.9054	-3.0851 2.4600 -0.8269 0.3352	0.5859	0.3440	
DRIFT	3:	1.82000 FT				
		-2.9550 0.0000 237.0163 FT	-39.618 0.000 0.000 MR			
		3.480 CM 1.142 MR 2.528 CM	0.360 MR 0.168 CM 2.000 PC	-0.537	0.985	
		0.6794 3.2610 -0.4953 -0.9054	-3.1310 2.4786 -0.8269 0.3352	0.6050	0.3440	
QUAD	5:	"06 "	5.00000 FT 3.00000 KG	2.54000 CM (244.02839 FT)		
		-3.1531 0.0000 242.0124 FT	-39.618 0.000 0.000 MR			
		3.355 CM 1.435 MR 2.608 CM	0.703 MR 0.168 CM 2.000 PC	-0.718	0.996	
		0.5972 3.0900 -0.5815 -1.3345	-3.2897 2.5554 -1.2592 0.6742	0.6511	0.2592	
DRIFT	3:	1.59900 FT				
		-3.2164 0.0000 243.6102 FT	-39.618 0.000 0.000 MR			
		3.305 CM 1.435 MR 2.643 CM	0.703 MR 0.168 CM 2.000 PC	-0.708	0.996	
		0.5688 3.0250 -0.5815 -1.3345	-3.3511 2.5883 -1.2592 0.6742	0.6637	0.2592	
DRIFT	3:	"v1 "	2.50000 FT			

246.148 FT

DRIFT 3. " 3.3154 0.0000 246.148 FT -39.618 0.000 0.000 MR
3.228 CM 1.435 MR 2.696 CM 0.703 MR 0.168 CM 2.000 PC -0.691 0.996
0.5245 2.9233 -0.5815 -1.3345 -3.4470 2.6396 -1.2592 0.6742 0.6834 0.2592

DRIFT 3.

247.567 FT -3.3716 0.0000 247.5264 FT -39.618 0.000 0.000 MR
3.186 CM 1.435 MR 2.726 CM 0.703 MR 0.168 CM 2.000 PC -0.681 0.997
0.4994 2.8656 -0.5815 -1.3345 -3.5015 2.6688 -1.2592 0.6742 0.6947 0.2592

DRIFT 3.

247.796 FT -3.3827 0.0000 247.7549 FT -39.618 0.000 0.000 MR
3.179 CM 1.435 MR 2.731 CM 0.703 MR 0.168 CM 2.000 PC -0.679 0.997
0.4953 2.8563 -0.5815 -1.3345 -3.5103 2.6735 -1.2592 0.6742 0.6965 0.2592

DRIFT 3.

253.796 FT -3.6183 0.0000 253.7502 FT -39.618 0.000 0.000 MR
3.007 CM 1.435 MR 2.859 CM 0.703 MR 0.168 CM 2.000 PC -0.631 0.997
0.3890 2.6122 -0.5815 -1.3345 -3.7405 2.7968 -1.2592 0.6742 0.7439 0.2592

DRIFT 3.

254.025 FT -3.6274 0.0000 253.9790 FT -39.618 0.000 0.000 MR
3.021 CM 1.435 MR 2.864 CM 0.703 MR 0.168 CM 2.000 PC -0.629 0.997
0.3849 2.6029 -0.5815 -1.3345 -3.7493 2.8015 -1.2592 0.6742 0.7457 0.2592

DRIFT 3.

256.428 FT -3.7226 0.0000 256.3801 FT -39.618 0.000 0.000 MR
2.936 CM 1.435 MR 2.916 CM 0.703 MR 0.168 CM 2.000 PC -0.607 0.997
0.3423 2.5052 -0.5815 -1.3345 -3.8416 2.8509 -1.2592 0.6742 0.7647 0.2592

DOKA 5. " 0.07 "

266.428 FT -4.1186 0.0000 266.3723 FT -39.618 0.000 0.000 MR
2.878 CM 1.262 MR 2.939 CM 0.554 MR 0.168 CM 2.000 PC -0.388 -0.995
0.1936 2.2530 -0.4713 -0.3376 -3.9719 2.8699 -0.4134 2.000 PC -0.8952 0.6269 1

DRIFT 3.

269.053 FT -4.2226 0.0000 268.9952 FT -39.618 0.000 0.000 MR
2.919 CM 1.262 MR 2.894 CM 0.554 MR 0.168 CM 2.000 PC 0.418 -0.995
0.1459 2.2260 -0.4713 -0.3376 -3.9388 2.8259 -0.4134 -0.5505 0.9438 -0.6269

DRIFT 3.

269.053 FT -4.2226 0.0000 268.9952 FT -39.618 0.000 0.000 MR
2.919 CM 1.262 MR 2.894 CM 0.554 MR 0.168 CM 2.000 PC 0.418 -0.995
0.1459 2.2260 -0.4713 -0.3376 -3.9388 2.8259 -0.4134 -0.5505 0.9438 -0.6269

DRIFT 3.

363.129 FT -4.0760 0.0000 362.9974 FT -39.618 0.000 0.000 MR
5.517 CM 1.262 MR 1.322 CM 0.554 MR 0.168 CM 2.000 PC -0.877 -0.976
-1.2057 1.2580 -0.4713 -0.3376 -2.7535 1.2475 -0.4134 -0.5505 2.6842 0.6269

DRIFT 3.

363.129 FT -7.9487 0.0000 362.9974 FT -39.618 0.000 0.000 MR
5.517 CM 1.262 MR 1.322 CM 0.554 MR 0.168 CM 2.000 PC -0.877 -0.976
-1.2057 1.2580 -0.4713 -0.3376 -2.7535 1.2475 -0.4134 -0.5505 2.6842 0.6269

DRIFT 3.

370.389 FT -8.2363 0.0000 370.2617 FT -39.618 0.000 0.000 MR
5.764 CM 1.262 MR 1.203 CM 0.554 MR 0.168 CM 2.000 PC -0.868 -0.971
-1.3100 1.1833 -0.4713 -0.3376 -2.6620 1.1257 -0.4134 -0.5505 2.8185 0.6269 NT

DRIFT 3.

370.504 FT -8.2408 0.0000 370.3666 FT -39.618 0.000 0.000 MR
5.768 CM 1.262 MR 1.201 CM 0.554 MR 0.168 CM 2.000 PC 0.888 -0.971
-1.3117 1.1821 -0.4713 -0.3376 -2.6605 1.1237 -0.4134 -0.5505 2.8206 0.6269

DRIFT 3.

373.504 FT -8.3596 0.0000 373.3643 FT -39.618 0.000 0.000 MR
5.870 CM 1.262 MR 1.152 CM 0.554 MR 0.168 CM 2.000 PC 0.892 -0.968
-1.3548 1.1512 -0.4713 -0.3376 -2.6227 1.0734 -0.4134 -0.5505 2.8761 -0.6269

DRIFT 3.

373.619 FT -8.3642 0.0000 373.4792 FT -39.618 0.000 0.000 MR
5.874 CM 1.262 MR 1.150 CM 0.554 MR 0.168 CM 2.000 PC -0.880 -0.968
-1.3564 1.1501 -0.4713 -0.3376 -2.6213 1.0715 -0.4134 -0.5505 2.8761 -0.6269

DRIFT 3.

400.337		-9.4224 0.0000 400.1762 FT	-39.618 0.000 0.000 MR	0.918
		6.807 CM 1.262 MR 0.7 CM	0.554 MR 0.168 CM 2.000 PC	0.6069
QUAD	5. "08."	-1.7403 0.8751 -0.4713 -0.3376	-2.2846 0.6232 0.4134 -0.5505	3.3725 0.6069
407.337 FT		7.00000 FT 4.54085 KG	2.54000 CM (115.93953 FT)	
		-9.6997 0.0000 407.1707 FT	-39.618 0.000 0.000 MR	
		6.847 CM 0.931 MR 0.636 CM	0.389 MR 0.168 CM 2.000 PC	-0.851 -0.766
DRIFT	3"	-1.7870 0.7773 0.0354 -0.5750	-2.2656 0.5236 -0.2337 -0.3874	3.3984 -0.3658
411.557 FT		4.22000 FT		
		-9.8668 0.0000 411.3874 FT	-39.618 0.000 0.000 MR	
		6.745 CM 0.931 MR 0.598 CM	0.389 MR 0.168 CM 2.000 PC	-0.846 -0.730
QUAD	5" "09"	-1.7825 0.7033 0.0354 -0.5750	-2.2956 0.4738 -0.2337 -0.3874	3.3513 -0.3658
415.890 FT		4.33300 FT 0.00000 KG	2.54000 CM (0.00000 FT)	
		-10.0384 0.0000 415.7170 FT	-39.618 0.000 0.000 MR	
		6.642 CM 0.931 MR 0.562 CM	0.389 MR 0.168 CM 2.000 PC	-0.841 -0.686
DRIFT	3"	-1.7778 0.6274 0.0354 -0.5750	-2.3265 0.4227 -0.2337 -0.3874	3.3030 -0.3658
417.300 FT		1.41000 FT		
		-10.0943 0.0000 417.1259 FT	-39.618 0.000 0.000 MR	
		6.608 CM 0.931 MR 0.550 CM	0.389 MR 0.168 CM 2.000 PC	-0.839 -0.670
QUAD	5" "010"	-1.7763 0.6027 0.0354 -0.5750	-2.3366 0.4060 -0.2337 -0.3874	3.2873 -0.3658
421.633 FT		4.33300 FT 0.00000 KG	2.54000 CM (0.00000 FT)	
		-10.2659 0.0000 421.4555 FT	-39.618 0.000 0.000 MR	
		6.505 CM 0.931 MR 0.517 CM	0.389 MR 0.168 CM 2.000 PC	-0.833 -0.613
DRIFT	3"	-1.7716 0.5267 0.0354 -0.5750	-2.3674 0.3548 -0.2337 -0.3874	3.2389 -0.3658
427.883 FT		6.25000 FT		
		-10.5134 0.0000 427.7006 FT	-39.618 0.000 0.000 MR	
		6.358 CM 0.931 MR 0.475 CM	0.389 MR 0.168 CM 2.000 PC	-0.825 -0.511
		-1.7648 0.4172 0.0354 -0.5750	-2.4119 0.2611 -0.2337 -0.3874	3.1693 -0.3658
DRIFT	3" "V3"	2.50000 FT		
430.383 FT		-10.6125 0.0000 430.1986 FT	-39.618 0.000 0.000 MR	
		6.300 CM 0.931 MR 0.461 CM	0.389 MR 0.168 CM 2.000 PC	-0.821 -0.463
		-1.7621 0.3734 0.0354 -0.5750	-2.4298 0.2515 -0.2337 -0.3874	3.1414 -0.3658
DRIFT	3"	10.46900 FT		
440.852 FT		-11.0271 0.0000 440.6594 FT	-39.618 0.000 0.000 MR	
		6.059 CM 0.931 MR 0.418 CM	0.389 MR 0.168 CM 2.000 PC	-0.805 -0.214
		-1.7508 0.1899 0.0354 -0.5750	-2.5043 0.1279 -0.2337 -0.3874	3.0247 -0.3658
DRIFT	3"	0.29200 FT		
441.144 FT		-11.0387 0.0000 440.9512 FT	-39.618 0.000 0.000 MR	
		6.052 CM 0.931 MR 0.418 CM	0.389 MR 0.168 CM 2.000 PC	-0.804 -0.206
		-1.7505 0.1848 0.0354 -0.5750	-2.5064 0.1245 -0.2337 -0.3874	3.0214 -0.3658
DRIFT	3" "C5H"	4.00000 FT		
445.144 FT		-11.1971 0.0000 444.9481 FT	-39.618 0.000 0.000 MR	
		5.961 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC	-0.797 -0.094
		-1.7462 0.1147 0.0354 -0.5750	-2.5349 0.0773 -0.2337 -0.3874	2.9768 -0.3658
DRIFT	3"	0.29300 FT		
445.437 FT		-11.2087 0.0000 445.2408 FT	-39.618 0.000 0.000 MR	
		5.955 CM 0.931 MR 0.410 CM	0.389 MR 0.168 CM 2.000 PC	-0.797 -0.085
		-1.7459 0.1095 0.0354 -0.5750	-2.5370 0.0738 -0.2337 -0.3874	2.9735 -0.3658
DRIFT	3"	0.83000 FT		
446.267 FT		-11.2416 0.0000 446.0702 FT	-39.618 0.000 0.000 MR	
		5.936 CM 0.931 MR 0.409 CM	0.389 MR 0.168 CM 2.000 PC	-0.795 -0.061
		-1.7450 0.0950 0.0354 -0.5750	-2.5429 0.0640 -0.2337 -0.3874	2.9643 -0.3658
DRIFT	3"	0.23000 FT		
446.497 FT		-11.2507 0.0000 446.3000 FT	-39.618 0.000 0.000 MR	
		5.931 CM 0.931 MR 0.409 CM	0.389 MR 0.168 CM 2.000 PC	-0.795 -0.055
		-1.7447 0.0910 0.0354 -0.5750	-2.5446 0.0613 -0.2337 -0.3874	2.9617 -0.3658
DRIFT	3" "C6V"	4.00000 FT		
450.497 FT		-11.4091 0.0000 450.2969 FT	-39.618 0.000 0.000 MR	
		5.841 CM 0.931 MR 0.409 CM	0.389 MR 0.168 CM 2.000 PC	-0.788 -0.061
		-1.7404 0.0209 0.0354 -0.5750	-2.5731 0.0141 -0.2337 -0.3874	2.9171 -0.3658
DRIFT	3"	0.23000 FT		

450.727 FT

-11.4162 0.0000 450.5267 FT -39.618 0.000 MR 0.000 MR 0.066

5.836 CM 0.931 MR 0.410 CM 0.389 MR 0.168 CM 2.000 PC 0.787 0.066

-1.7402 0.0168 0.0354 0.5750 -2.5747 0.0113 -0.2337 -0.3874 0.3658

0.96000 FT -1.4563 0.0000 451.4859 FT -39.618 0.000 0.000 MR 0.000 MR

5.814 CM 0.931 MR 0.410 CM 0.389 MR 0.168 CM 2.000 PC 0.786 0.095

-1.7391 0.0000 0.0354 0.5750 -2.5815 0.0000 -0.2337 -0.3874 0.3658

•DRIFT* 3' "4F" 0.0000 FT -1.4563 0.0000 451.4859 FT -39.618 0.000 0.000 MR 0.000 MR

5.814 CM 0.931 MR 0.410 CM 0.389 MR 0.168 CM 2.000 PC 0.786 0.095

-1.7391 0.0000 0.0354 0.5750 -2.5815 0.0000 -0.2337 -0.3874 0.3658

•DRIFT* 3' "PRM1" 0.0000 FT -1.4563 0.0000 451.4859 FT -39.618 0.000 0.000 MR 0.000 MR

5.814 CM 0.931 MR 0.410 CM 0.389 MR 0.168 CM 2.000 PC 0.786 0.095

-1.7391 0.0000 0.0354 0.5750 -2.5815 0.0000 -0.2337 -0.3874 0.3658

•DRIFT* 3' "LC1" 0.0000 FT -11.4563 0.0000 451.4859 FT -39.618 0.000 0.000 MR 0.000 MR

5.814 CM 0.931 MR 0.410 CM 0.389 MR 0.168 CM 2.000 PC 0.786 0.095

-1.7391 0.0000 0.0354 0.5750 -2.5815 0.0000 -0.2337 -0.3874 0.3658

•DRIFT* 3' "51500" 0.0000 FT -11.5955 0.0000 454.9982 FT -39.618 0.000 0.000 MR 0.000 MR

5.736 CM 0.931 MR 0.417 CM 0.389 MR 0.168 CM 2.000 PC 0.779 0.194

-1.7353 -0.0616 0.0354 0.5750 -2.6066 -0.0415 -0.2337 -0.3874 0.3658

•DRIFT* 3' "D1K3" 0.0000 FT -11.5955 0.0000 454.9982 FT -39.618 0.000 0.000 MR 0.000 MR

5.736 CM 0.931 MR 0.417 CM 0.389 MR 0.168 CM 2.000 PC 0.779 0.194

-1.7353 -0.0616 0.0354 0.5750 -2.6066 -0.0415 -0.2337 -0.3874 0.3658

•DRIFT* 3' "50.360" 0.0000 FT -19.3252 0.0000 650.0030 FT -39.618 0.000 0.000 MR 0.000 MR

5.752 CM 0.931 MR 0.430 CM 0.389 MR 0.168 CM 2.000 PC 0.284 0.966

-1.5247 -3.4819 0.0354 -0.5750 -3.9669 -2.3457 -0.2337 -0.3874 0.3658

•DRIFT* 3' "D1K4" 0.0000 FT -19.3252 0.0000 650.0031 FT -39.618 0.000 0.000 MR 0.000 MR

5.752 CM 0.931 MR 0.430 CM 0.389 MR 0.168 CM 2.000 PC 0.284 0.966

-1.5247 -3.4819 0.0354 -0.5750 -3.9669 -2.3457 -0.2337 -0.3874 0.3658

•DRIFT* 3' "55.370" 0.0000 FT -19.5236 0.0000 655.0091 FT -39.618 0.000 0.000 MR 0.000 MR

5.795 CM 0.931 MR 2.489 CM 0.389 MR 0.168 CM 2.000 PC 0.319 0.986

-1.5193 -3.5697 0.0354 -0.5750 -4.0326 -2.4049 -0.2337 -0.3874 0.3658

•DRIFT* 3' "655.600" 0.0000 FT -19.5327 0.0000 655.2389 FT -39.618 0.000 0.000 MR 0.000 MR

5.797 CM 0.931 MR 2.492 CM 0.389 MR 0.168 CM 2.000 PC 0.320 0.986

-1.5191 -3.5736 0.0354 -0.5750 -4.0342 -2.4076 -0.2337 -0.3874 0.3658

•DRIFT* 3' "659.600" 4.0000 FT -19.6911 0.0000 659.2358 FT -39.618 0.000 0.000 MR 0.000 MR

5.835 CM 0.931 MR 2.538 CM 0.389 MR 0.168 CM 2.000 PC 0.347 0.987

-1.5147 -3.6439 0.0354 -0.5750 -4.0627 -2.4548 -0.2337 -0.3874 0.3658

•DRIFT* 3' "659.630" 0.0000 FT -19.7002 0.0000 659.4656 FT -39.618 0.000 0.000 MR 0.000 MR

5.837 CM 0.931 MR 2.541 CM 0.389 MR 0.168 CM 2.000 PC 0.348 0.987

-1.5145 -3.6479 0.0354 -0.5750 -4.0644 -2.4575 -0.2337 -0.3874 0.3658

•DRIFT* 3' "661.330" 0.0000 FT -19.7597 0.0000 660.9644 FT -39.618 0.000 0.000 MR 0.000 MR

5.852 CM 0.931 MR 2.559 CM 0.389 MR 0.168 CM 2.000 PC 0.358 0.987

-1.5129 -3.6742 0.0354 -0.5750 -4.0751 -2.4752 -0.2337 -0.3874 0.3658

•DRIFT* 3' "663.830" 0.0000 FT -19.8587 0.0000 663.4625 FT -39.618 0.000 0.000 MR 0.000 MR

5.878 CM 0.931 MR 2.588 CM 0.389 MR 0.168 CM 2.000 PC 0.374 0.987

-1.5102 -3.7180 0.0354 -0.5750 -4.0929 -2.5048 -0.2337 -0.3874 0.3658

•DRIFT* 3' "1.50000" 0.0000 FT -19.8587 0.0000 663.4625 FT -39.618 0.000 0.000 MR 0.000 MR

5.878 CM 0.931 MR 2.588 CM 0.389 MR 0.168 CM 2.000 PC 0.374 0.987

-1.5102 -3.7180 0.0354 -0.5750 -4.0929 -2.5048 -0.2337 -0.3874 0.3658

-100-

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665.330		-19.9181 0.0000 664.9613 FT	-39.618 0.000 0.000 MR			
		3.894 CM 0.931 MR 2.6 CM	0.389 MR 0.168 CM 2.000 PC	0.3	0.988	
		-1.5086 -3.7443 0.0354 -0.5750	-4.1035 -2.5225 -0.2337 -0.3874	0.5217	-0.3658	
DRIFT	3:	2.50000 FT				
667.830 FT		-20.0171 0.0000 667.4593 FT	-39.618 0.000 0.000 MR			
		3.922 CM 0.931 MR 2.635 CM	0.389 MR 0.168 CM 2.000 PC	0.398	0.988	
		-1.5059 -3.7881 0.0354 -0.5750	-4.1214 -2.5520 -0.2337 -0.3874	0.4938	-0.3658	
DRIFT	3:	2.49000 FT				
670.320 FT		-20.1157 0.0000 669.9474 FT	-39.618 0.000 0.000 MR			
		3.951 CM 0.931 MR 2.664 CM	0.389 MR 0.168 CM 2.000 PC	0.413	0.988	
		-1.5032 -3.8317 0.0354 -0.5750	-4.1391 -2.5814 -0.2337 -0.3874	0.4660	-0.3658	
ROTAT	2:	4.57275 MR				
670.320 FT		-20.1157 0.0000 669.9474 FT	-39.618 0.000 0.000 MR			
		3.951 CM 0.931 MR 2.664 CM	0.389 MR 0.168 CM 2.000 PC	0.414	0.988	
		-1.5032 -3.8317 0.0353 -0.5753	-4.1391 -2.5814 -0.2334 -0.3872	0.4660	-0.3658	
BEND	4:	"B9 "	19.91667 FT 20.10081 KG	0.00000 (2177.761 FT , 9.145 MR)		
690.237 FT		-20.9956 0.0000 689.8445 FT	-48.763 0.000 0.000 MR			
		4.223 CM 0.795 MR 2.898 CM	0.389 MR 0.133 CM 2.000 PC	0.627	0.990	
		-1.4817 -4.1808 0.0354 -0.5747	-4.2808 -2.8164 -0.2334 -0.3872	0.2717	-0.2744	
ROTAT	2:	4.57275 MR				
690.237 FT		-20.9956 0.0000 689.8445 FT	-48.763 0.000 0.000 MR			
		4.223 CM 0.795 MR 2.898 CM	0.389 MR 0.133 CM 2.000 PC	0.627	0.990	
		-1.4817 -4.1808 0.0354 -0.5750	-4.2808 -2.8164 -0.2332 -0.3870	0.2717	-0.2744	
DRIFT	3:	1.29000 FT				
691.527 FT		-21.0584 0.0000 691.1330 FT	-48.763 0.000 0.000 MR			
		4.242 CM 0.795 MR 2.913 CM	0.389 MR 0.133 CM 2.000 PC	0.631	0.990	
		-1.4803 -4.2034 0.0354 -0.5750	-4.2900 -2.8317 -0.2332 -0.3870	0.2609	-0.2744	
ROTAT	2:	4.57275 MR				
691.527 FT		-21.0584 0.0000 691.1330 FT	-48.763 0.000 0.000 MR			
		4.242 CM 0.795 MR 2.913 CM	0.389 MR 0.133 CM 2.000 PC	0.632	0.990	
		-1.4803 -4.2034 0.0353 -0.5753	-4.2900 -2.8317 -0.2329 -0.3868	0.2609	-0.2743	
BEND	4:	"B10 "	19.91667 FT 20.10081 KG	0.00000 (2177.761 FT , 9.145 MR)		
711.443 FT		-22.1202 0.0000 711.0213 FT	-57.909 0.000 0.000 MR			
		4.565 CM 0.681 MR 3.146 CM	0.388 MR 0.094 CM 2.000 PC	0.812	0.992	
		-1.4588 -4.5524 0.0355 -0.5747	-4.4313 -3.0665 -0.2329 -0.3868	0.1221	-0.1829	
ROTAT	2:	4.57275 MR				
711.443 FT		-22.1202 0.0000 711.0213 FT	-57.909 0.000 0.000 MR			
		4.565 CM 0.682 MR 3.146 CM	0.388 MR 0.094 CM 2.000 PC	0.812	0.991	
		-1.4588 -4.5524 0.0354 -0.5750	-4.4313 -3.0665 -0.2326 -0.3866	0.1221	-0.1829	
DRIFT	3:	1.31000 FT				
712.753 FT		-22.1960 0.0000 712.3291 FT	-57.909 0.000 0.000 MR			
		4.587 CM 0.682 MR 3.162 CM	0.388 MR 0.094 CM 2.000 PC	0.814	0.992	
		-1.4574 -4.5754 0.0354 -0.5750	-4.4406 -3.0819 -0.2326 -0.3866	0.1148	-0.1829	
ROTAT	2:	4.57275 MR				
712.753 FT		-22.1960 0.0000 712.3291 FT	-57.909 0.000 0.000 MR			
		4.587 CM 0.682 MR 3.162 CM	0.388 MR 0.094 CM 2.000 PC	0.814	0.992	
		-1.4574 -4.5754 0.0353 -0.5753	-4.4406 -3.0819 -0.2322 -0.3864	0.1148	-0.1829	
BEND	4:	"B11 "	19.91667 FT 20.10081 KG	0.00000 (2177.761 FT , 9.145 MR)		
732.670 FT		-23.4396 0.0000 732.2068 FT	-67.054 0.000 0.000 MR			
		4.930 CM 0.603 MR 3.396 CM	0.388 MR 0.055 CM 2.000 PC	0.947	0.993	
		-1.4359 -4.9245 0.0355 -0.5747	-4.5816 -3.3165 -0.2322 -0.3864	0.0315	-0.0915	
ROTAT	2:	4.57275 MR				
732.670 FT		-23.4396 0.0000 732.2068 FT	-67.054 0.000 0.000 MR			
		4.930 CM 0.603 MR 3.396 CM	0.388 MR 0.055 CM 2.000 PC	0.947	0.993	
		-1.4359 -4.9245 0.0354 -0.5750	-4.5816 -3.3165 -0.2319 -0.3861	0.0315	-0.0915	
DRIFT	3:	1.36000 FT				
734.230 FT		-23.5308 0.0000 733.5637 FT	-67.054 0.000 0.000 MR			
		4.954 CM 0.603 MR 3.411 CM	0.388 MR 0.055 CM 2.000 PC	0.948	0.993	
		-1.4344 -4.9483 0.0354 -0.5750	-4.5912 -3.3325 -0.2319 -0.3861	0.0278	-0.0915	
ROTAT	2:	4.57275 MR				

734.030 FT

-23.5308 0.0000 733.5637 FT -67.054 0.000 0.000 MR
4.954 CM 0.0.604 MR 3.411 CM 0.055 CH 2.000 PC 0.948 0.993
-1.4344 -4.9483 0.0353 -0.5753 -4.5912 -3.3325 -0.2316 -0.3859 -0.915
•BENÓ 4: "R12" 19.91667 FT 20.10081 KG 0.0000 0.0000 0.0000 0.0000 0.0000
•753.947 FT 24.9561 0.0000 753.4293 FT -76.200 0.000 0.000 MR
5.302 CM 0.0.575 MR 3.645 CM 0.028 CH 2.000 PC 0.999 0.944
-1.4129 -5.2973 0.0355 -0.5746 -4.7318 -3.5667 -0.2316 -0.3859 -0.0000
•ROTAT 2: 4.57275 MR 3.21000 FT -76.200 0.000 0.000 MR
-24.9561 0.0000 753.4293 FT 0.387 MR 0.028 CH 2.000 PC 0.999 0.994
5.302 CM 0.0.575 MR 3.645 CM 0.028 CH 2.000 PC 0.999 0.994
-1.4129 -5.2973 0.0354 -0.5750 -4.7318 -3.5667 -0.2313 -0.3857 -0.0000 -0.0000

DRIFT 3:

756.957 FT -25.1852 0.0000 756.4305 FT -76.200 0.000 0.000 MR
5.355 CM 0.0.575 MR 3.681 CM 0.028 CH 2.000 PC 0.999 0.994
-1.4097 -5.3501 0.0354 -0.5750 -4.7530 -3.6021 -0.2313 -0.3857 -0.0000
•QUÁD 5: "Q11" 10.0000 FT 5.05987 KG 2.54000 CH (73.78869 FT)
756.957 FT -25.9465 0.0000 766.4015 FT -76.200 0.000 0.000 MR
5.159 CM 1.846 MR 4.059 CN 2.126 MR 2.000 PC 1.020
-1.3025 -5.1546 0.6598 1.8432 -5.1587 -3.9751 -2.4609 -2.0901 -0.0000 0.0200
•DRIFT* 3:
1.50000 FT 1.50000 FT 0.0000 767.8972 FT -76.200 0.000 0.000 MR
5.074 CM 1.846 MR 4.156 CM 0.028 CH 2.000 PC 1.000 1.020
-1.2723 -5.0703 0.6598 1.8432 -5.2712 -4.0707 -2.4609 -2.0901 -0.0000 0.0200
•QUÁD 5: "Q12" 10.0000 FT 5.05987 KG 2.54000 CH (73.78869 FT)
778.457 FT -26.0220 0.0000 777.0681 FT -76.200 0.000 0.000 MR
4.177 CM 3.976 MR 5.111 CM 4.211 MR 2.000 PC 1.020
-0.9886 -4.1738 1.1802 3.9712 -6.4085 -5.0082 -5.0081 -4.1323 -0.0000 0.0200
•DRIFT* 3:
1.50000 FT 1.50000 FT 0.0000 779.3638 FT -76.200 0.000 0.000 MR
3.995 CM 3.976 MR 5.303 CM 4.211 MR 0.028 CH 2.000 PC -1.000 1.020
-0.9347 -3.9922 1.1802 -3.9712 -6.6411 -5.1971 -5.0881 -4.1323 -0.0000 -0.0000
•QUÁD 5: "Q13A" 5.0000 FT -4.91839 KG 2.54000 CH (-147.50694 FT)
784.957 FT -27.3168 0.0000 784.3493 FT -76.200 0.000 0.000 MR
3.453 CM 3.154 MR 5.052 CM 2.974 MR 2.000 PC 1.020
-0.7696 -3.4511 0.9923 3.1504 -7.3006 -5.7360 -3.5420 -2.9199 -0.0000 0.0200
•DRIFT* 3:
1.50000 FT 27.4310 0.0000 785.8449 FT -76.200 0.000 0.000 MR
3.309 CM 3.154 MR 5.988 CM 2.974 MR 0.028 CH 2.000 PC -1.000 1.020
-0.7242 -3.3070 0.9923 3.1504 -7.4625 -5.8695 -3.5420 -2.9199 -0.0000 0.0200
•QUÁD 5: "Q13" 10.0000 FT -4.91839 KG 2.54000 CH (-72.52768 FT)
796.457 FT -28.1922 0.0000 795.8159 FT -76.200 0.000 0.000 MR
2.552 CM 1.873 MR 6.475 CM 0.187 MR 2.000 PC 0.991
-0.4643 -2.5505 0.7323 1.8692 -8.0206 -6.3484 -0.0785 -0.1868 -0.0000 -0.0000
•DRIFT* 3:
1.50000 FT -28.3064 0.0000 797.3116 FT -76.200 0.000 0.000 MR
2.466 CM 1.873 MR 6.484 CM 0.187 MR 2.000 PC -0.999 0.991
-0.4308 -2.4650 0.7323 1.8692 -8.0242 -6.3569 -0.0785 -0.1868 -0.0000 0.0000
•QUÁD 5: "Q14" 10.0000 FT -4.91639 KG 2.54000 CH (-72.52768 FT)
807.957 FT -29.0677 0.0000 807.2825 FT -76.200 0.000 0.000 MR
2.051 CM 0.887 MR 6.107 CM 2.631 MR 2.000 PC -0.996 -1.000 0.000
-0.2319 -2.0505 0.5874 0.8816 -7.5127 -5.9888 3.3970 2.5748 -0.0000 0.0200 0.343
•DRIFT* 3:
2.72000 FT -29.2747 0.0000 809.9946 FT -76.200 0.000 0.000 MR
1.978 CM 0.887 MR 5.889 CM 2.631 MR 2.000 PC -0.996 -1.000 0.000
-0.1832 -1.9774 0.5874 0.8816 -7.2311 -5.7753 -3.3970 2.5748 -0.0000 0.0200 0.343
•DRIFT* 3:
810.677 FT -29.2747 0.0000 809.9946 FT -76.200 0.000 0.000 MR
1.978 CM 0.887 MR 5.889 CM 2.631 MR 2.000 PC -0.996 -1.000 0.000
-0.1832 -1.9774 0.5874 0.8816 -7.2311 -5.7753 -3.3970 2.5748 -0.0000 0.0200 0.343
•DRIFT* 3:
72.20900 FT

882.886 FT		-34.7717 0.0000 881.9941 FT	-76.200 0.000 0.000 MR				
		0.180 CM 0.887 MR 0.115	2.631 MR 0.028 CM 2.000 PC	-0.101	-0.851		
		1.1096 -0.0371 0.5874 0.8816	0.2455 -0.1083 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.	"DIK6"	0.00000 FT				
882.886 FT		-34.7717 0.0000 881.9941 FT	-76.200 0.000 0.000 MR				
		0.180 CM 0.887 MR 0.115 CM	2.631 MR 0.028 CM 2.000 PC	-0.101	-0.851		
		1.1096 -0.0371 0.5874 0.8816	0.2455 -0.1083 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.		1.30000 FT				
884.266 FT		-34.8768 0.0000 883.3701 FT	-76.200 0.000 0.000 MR				
		0.180 CM 0.887 MR 0.062 CM	2.631 MR 0.028 CM 2.000 PC	0.105	0.205		
		1.1343 0.0000 0.5874 0.8816	0.3884 0.0000 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.	"2F "	0.00000 FT				
884.266 FT		-34.8768 0.0000 883.3701 FT	-76.200 0.000 0.000 MR				
		0.180 CM 0.887 MR 0.062 CM	2.631 MR 0.028 CM 2.000 PC	0.105	0.205		
		1.1343 0.0000 0.5874 0.8816	0.3884 0.0000 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.	"PH2 "	0.00000 FT				
884.266 FT		-34.8768 0.0000 883.3701 FT	-76.200 0.000 0.000 MR				
		0.180 CM 0.887 MR 0.062 CM	2.631 MR 0.028 CM 2.000 PC	0.105	0.205		
		1.1343 0.0000 0.5874 0.8816	0.3884 0.0000 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.		0.72000 FT				
884.986 FT		-34.9316 0.0000 884.0880 FT	-76.200 0.000 0.000 MR				
		0.183 CM 0.887 MR 0.093 CM	2.631 MR 0.028 CM 2.000 PC	0.210	0.759		
		1.1472 0.0194 0.5874 0.8816	0.4629 0.0565 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.	"C8H "	4.00000 FT				
888.986 FT		-35.2361 0.0000 888.0764 FT	-76.200 0.000 0.000 MR				
		0.232 CM 0.887 MR 0.396 CM	2.631 MR 0.028 CM 2.000 PC	0.633	0.988		
		1.2188 0.1268 0.5874 0.8816	0.8771 0.3704 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.		0.90000 FT				
889.886 FT		-35.3046 0.0000 888.9738 FT	-76.200 0.000 0.000 MR				
		0.248 CM 0.887 MR 0.467 CM	2.631 MR 0.028 CM 2.000 PC	0.690	0.992		
		1.2349 0.1510 0.5874 0.8816	0.9703 0.4411 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.	"LC2 "	0.00000 FT				
889.886 FT		-35.3046 0.0000 888.9738 FT	-76.200 0.000 0.000 MR				
		0.248 CM 0.887 MR 0.467 CM	2.631 MR 0.028 CM 2.000 PC	0.690	0.992		
		1.2349 0.1510 0.5874 0.8816	0.9703 0.4411 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.		1.00000 FT				
890.886 FT		-35.3807 0.0000 889.9709 FT	-76.200 0.000 0.000 MR				
		0.267 CM 0.887 MR 0.547 CM	2.631 MR 0.028 CM 2.000 PC	0.741	0.994		
		1.2528 0.1779 0.5874 0.8816	1.0738 0.5196 3.3970 2.5748	0.0000	0.0000		
ROTAT	2.		0.00000 MR				
890.886 FT		-35.3807 0.0000 889.9709 FT	-76.200 0.000 0.000 MR				
		0.267 CM 0.887 MR 0.547 CM	2.631 MR 0.028 CM 2.000 PC	0.741	0.994		
		1.2528 0.1779 0.5874 0.8816	1.0738 0.5196 3.3970 2.5748	0.0000	0.0000		
BEND	4.	"B13 "	20.00000 FT	0.00000 KG	0.00000 (0.000 FT , 0.000 MR)		
910.886 FT		-36.9032 0.0000 909.9128 FT	-76.200 0.000 0.000 MR				
		0.760 CM 0.887 MR 2.148 CM	2.631 MR 0.028 CM 2.000 PC	0.972	1.000		
		1.6109 0.7153 0.5874 0.8816	3.1446 2.0892 3.3970 2.5748	0.0000	0.0000		
ROTAT	2.		0.00000 MR				
910.886 FT		-36.9032 0.0000 909.9128 FT	-76.200 0.000 0.000 MR				
		0.760 CM 0.887 MR 2.148 CM	2.631 MR 0.028 CM 2.000 PC	0.972	1.000		
		1.6109 0.7153 0.5874 0.8816	3.1446 2.0892 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.		6.81000 FT				
917.696 FT		-37.4216 0.0000 916.7031 FT	-76.200 0.000 0.000 MR				
		0.940 CM 0.887 MR 2.694 CM	2.631 MR 0.028 CM 2.000 PC	0.982	1.000		
		1.7329 0.8983 0.5874 0.8816	3.8497 2.6236 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.	"V6 "	2.50000 FT				
920.196 FT		-37.6120 0.0000 919.1958 FT	-76.200 0.000 0.000 MR				
		1.006 CM 0.887 MR 2.895 CM	2.631 MR 0.028 CM 2.000 PC	0.984	1.000		
		1.7776 0.9655 0.5874 0.8816	4.1086 2.8198 3.3970 2.5748	0.0000	0.0000		
DRIFT	3.	"PAR "	36.45800 FT				

956.654 FT		-40,3874	0.0000	955,5480 FT	-76,200	0.000	0.000 MR			
		1,983 CM	0.887 MR	5,818 CM	2,631 MR	0.028 CH	2,000 PC	0.996	1.020	
		2,4303	1,9451	0.5874	0.8816	7,8835	5,6811	3,3970	2,5748	0.0000
QUAD*	5.	"015 "	10.00000 FT	-5.15429 KG	2,54000 CM	(-69.13441 FT)				0.0000
966.654 FT		-41,1486	0.0000	965,5190 FT	-76,200	0.000	0.000 MR			
		2,401 CM	1.889 MR	6,195 CM	0.189 MR	0.028 CM	2,000 PC	0.999	-0.991	
		2,7874	2,3593	1,7827	1,8677	8,3442	6,0509	-0.4092	-0.1769	0.0000
DRIFT	3.	"D10 "	1.50000 FT							0.0000
968.154 FT		-41,2628	0.0000	967,0147 FT	-76,200	0.000	0.000 MR			
		2,487 CM	1.889 MR	6,186 CM	0.189 MR	0.028 CH	2,000 PC	0.999	-0.991	
		2,8689	2,4446	1,7827	1,8677	8,3255	6,0428	-0,4092	-0,1769	0.0000
QUAD*	5.	"016 "	10.00000 FT	-5.15429 KG	2,54000 CM	(-69.13441 FT)				
978.154 FT		-42,0241	0.0000	976,9857 FT	-76,200	0.000	0.000 MR			
		3,254 CM	3,204 MR	5,699 CM	2,974 MR	0.028 CM	2,000 PC	1.000	-1.030	
		3,6302	3,2022	3,2716	3,1613	7,6224	5,5683	-4,1498	-2,9003	0.0000
DRIFT	3.	"D11 "	7,82600 FT							
985.980 FT		-42,6198	0.0000	984,7890 FT	-76,200	0.000	0.000 MR			
		4,018 CM	3,204 MR	4,989 CM	2,974 MR	0.028 CM	2,000 PC	1.000	-1.020	
		4,4106	3,9563	3,2716	3,1613	6,6325	4,8764	-4,1498	-2,9003	0.0000
QUAD*	5.	"017 "	10.00000 FT	3,77344 KG	2,54000 CM	(98.35983 FT)				
995.980 FT		-43,3811	0.0000	994,7600 FT	-76,200	0.000	0.000 MR			
		4,772 CM	1,702 MR	4,327 CM	1,407 MR	0.028 CM	2,000 PC	1.000	-1.020	
		5,1645	4,7004	1,6327	1,6796	5,6918	4,2315	-2,0764	-1,3680	0.0000
DRIFT	3.	"012 "	1,50000 FT							
997.480 FT		-43,4953	0.0000	996,2556 FT	-76,200	0.000	0.000 MR			
		4,849 CM	1,702 MR	4,263 CM	1,407 MR	0.028 CM	2,000 PC	1.000	-1.020	
		5,2392	4,7772	1,6327	1,6796	5,5968	4,1689	-2,0764	-1,3680	0.0000
QUAD*	5.	"018 "	10.00000 FT	3,77344 KG	2,54000 CM	(98.35983 FT)				
1007.480 FT		-44,2565	0.0000	1006,2266 FT	-76,200	0.000	0.000 MR			
		5,110 CM	0.032 MR	4,049 CM	0,040 MR	0.028 CM	2,000 PC	-0,170	-0,206	
		5,4596	5,0354	-0,1986	-0,0000	5,2449	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.		3,33000 FT							
1010.810 FT		-44,5100	0.0000	1009,5469 FT	-76,200	0.000	0.000 MR			
		5,109 CM	0.032 MR	4,048 CM	0,040 MR	0.028 CM	2,000 PC	-0,169	-0,225	
		5,4395	5,0354	-0,1986	-0,0000	5,2193	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.	"PM3 "	0.00000 FT							
1010.810 FT		-44,5100	0.0000	1009,5469 FT	-76,200	0.000	0.000 MR			
		5,109 CM	0.032 MR	4,048 CM	0,040 MR	0.028 CM	2,000 PC	-0,169	-0,205	
		5,4395	5,0354	-0,1986	-0,0000	5,2193	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.	"K1 "	103,00000 FT							
1113.810 FT		-52,3510	0.0000	1112,2480 FT	-76,200	0.000	0.000 MR			
		5,093 CM	0.032 MR	4,024 CM	0,040 MR	0.028 CM	2,000 PC	-0,150	-0,175	
		4,8160	5,0354	-0,1986	-0,0000	4,4270	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.		3,14100 FT							
1116.951 FT		-52,5901	0.0000	1115,3799 FT	-76,200	0.000	0.000 MR			
		5,093 CM	0.032 MR	4,024 CM	0,040 MR	0.028 CM	2,000 PC	-0,150	-0,174	
		4,7970	5,0354	-0,1986	-0,0000	4,4028	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.	"K2 "	53,00000 FT							
1169.951 FT		-56,6248	0.0000	1168,2261 FT	-76,200	0.000	0.000 MR			
		5,085 CM	0.032 MR	4,013 CM	0,040 MR	0.028 CM	2,000 PC	-0,140	-0,158	
		4,4762	5,0354	-0,1986	-0,0000	3,9951	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.		3,43000 FT							
1173.381 FT		-56,8859	0.0000	1171,6462 FT	-76,200	0.000	0.000 MR			
		5,085 CM	0.032 MR	4,012 CM	0,040 MR	0.028 CM	2,000 PC	-0,139	-0,157	
		4,4554	5,0354	-0,1986	-0,0000	3,9687	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.	"PM4 "	0.02000 FT							
1173.381 FT		-56,8859	0.0000	1171,6462 FT	-76,200	0.000	0.000 MR			
		5,085 CM	0.032 MR	4,012 CM	0,040 MR	0.028 CH	2,000 PC	-0,139	-0,157	
		4,4554	5,0354	-0,1986	-0,0000	3,9687	3,9622	-0,2524	0,0000	0,0000
DRIFT	3.		3,80000 FT							

1177.181

-57.1752	0.0000	1175.4352 FT	-76.200	0.000	0.000 MR	-0.1	-0.156
5.005 CM	0.032 MR	4.000 CM	0.040 MR	0.028 CM	2.000 PC	-0.1	-0.156
4.4324	5.0354	*0.1986	-0.000	3.9395	3.9622	-0.2524	0.0000
10.0000 FT	2.82723 KG	2.5400 CM	{ 130.7096 FT }				
1187.181 FT	-57.9364	0.0000	1185.4061 FT	-76.200	0.000	0.000 MR	-0.0000
4.807 CM	4.1.281 MR	4.166 CM	-1.028 MR	0.028 CM	2.000 PC	-1.000	0.999
4.2020	4.8416	*1.3035	-1.2639	4.0152	4.1168	0.7525	1.0206
4.71000 FT	-58.2950	0.0000	1190.1025 FT	-76.200	0.000	0.000 MR	-0.0220
4.7004 CM	1.281 MR	4.313 CM	-1.028 MR	0.028 CM	2.000 PC	-1.000	0.999
4.0149	4.6601	*1.3035	-1.2639	4.1233	4.2633	0.7525	1.0206
10.0000 FT	2.82723 KG	2.5400 CM	{ 130.7096 FT }				
1201.891 FT	-59.0562	0.0000	1200.0735 FT	-76.200	0.000	0.000 MR	-0.0000
4.137 CM	2.412 MR	4.799 CM	2.178 MR	0.028 CM	2.000 PC	-1.000	1.050
3.4681	4.1004	*2.2611	-2.3850	4.5164	4.7447	1.8439	2.1585
4.0157 FT	1.43700 FT	-59.1656	0.0000	1201.5063 FT	-76.200	0.000	0.000 MR
4.032 CM	2.412 MR	4.894 CM	2.178 MR	0.028 CM	2.000 PC	-1.003	1.000
3.3691	3.9959	*2.2611	-2.3850	4.5972	4.8392	1.8439	2.1585
10.0000 FT	-3.16247 KG	2.5400 CM	{ -113.69962 FT }				
1213.328 FT	-59.9269	0.0000	1211.4773 FT	-76.200	0.000	0.000 MR	-0.0000
3.462 CM	1.354 MR	5.338 CM	0.713 MR	0.028 CM	2.000 PC	-0.999	0.999
2.8170	3.4329	*1.3876	-1.3366	4.9532	5.2794	0.4758	0.7090
4.0160 FT	1.40000 FT	-60.2877	0.0000	1216.2035 FT	-76.200	0.000	0.000 MR
3.267 CM	1.354 MR	5.441 CM	0.713 MR	0.028 CM	2.000 PC	-0.999	0.999
2.6165	3.2399	*1.3876	-1.3366	5.0220	5.3818	0.4758	0.7090
10.0000 FT	-3.16247 KG	2.5400 CM	{ -113.69962 FT }				
1228.268 FT	-61.0490	0.0000	1226.1745 FT	-76.200	0.000	0.000 MR	-0.0000
2.991 CM	0.473 MR	5.421 CM	0.844 MR	0.028 CM	2.000 PC	-0.994	0.999
2.3017	2.9682	*0.6932	-0.4595	4.9488	5.3632	0.9525	-0.8302
2.18000 FT	-61.2150	0.0000	1228.3482 FT	-76.200	0.000	0.000 MR	-0.0220
2.960 CM	0.473 MR	5.365 CM	0.844 MR	0.028 CM	2.000 PC	-0.994	-0.999
2.2556	2.9377	*0.6932	-0.4595	4.8855	5.3081	0.9525	-0.8302
2.50000 FT	-61.4053	0.0000	1230.8409 FT	-76.200	0.000	0.000 MR	-0.0000
2.924 CM	0.473 MR	5.300 CM	0.844 MR	0.028 CM	2.000 PC	-0.993	-0.999
2.2028	2.9027	*0.6932	-0.4595	4.8129	5.2448	0.9525	-0.8302
1.40000 FT	-61.5118	0.0000	1232.2369 FT	-76.200	0.000	0.000 MR	-0.0000
2.904 CM	0.473 MR	5.264 CM	0.844 MR	0.028 CM	2.000 PC	-0.993	-0.999
2.1732	2.8831	*0.6932	-0.4595	4.7723	5.2094	0.9525	-0.8302
2.50000 FT	-61.7022	0.0000	1234.7296 FT	-76.200	0.000	0.000 MR	-0.0000
2.868 CM	0.473 MR	5.200 CM	0.844 MR	0.028 CM	2.000 PC	-0.993	-0.999
2.1204	2.8481	*0.6932	-0.4595	4.6997	5.1461	0.9525	-0.8302
6.26000 FT	-62.1787	0.0000	1240.9715 FT	-76.200	0.000	0.000 MR	-0.0220
2.778 CM	0.473 MR	5.039 CM	0.844 MR	0.028 CM	2.000 PC	-0.993	-0.999
1.9881	2.7604	*0.6932	-0.4595	4.5179	4.9877	0.9525	-0.8302
1.9600 FT	-69.3951	0.0000	1335.4924 FT	-76.200	0.000	0.000 MR	-0.0000
1.433 CM	0.473 MR	2.604 CM	0.844 MR	0.028 CM	2.000 PC	-0.972	-0.997
2.0148	1.4328	*0.6932	-0.4595	1.7657	2.5888	0.9525	-0.8302
102.30300 FT	-77.1830	0.0000	1437.4985 FT	-76.200	0.000	0.000 MR	-0.0000
0.346 CM	0.473 MR	3.192 CM	0.844 MR	0.028 CM	2.000 PC	0.233	0.179
*2.1763	0.0000	*0.6932	-0.4595	1.2045	0.0000	-0.9525	-0.8302
3F	"3F	0.00000 FT	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000

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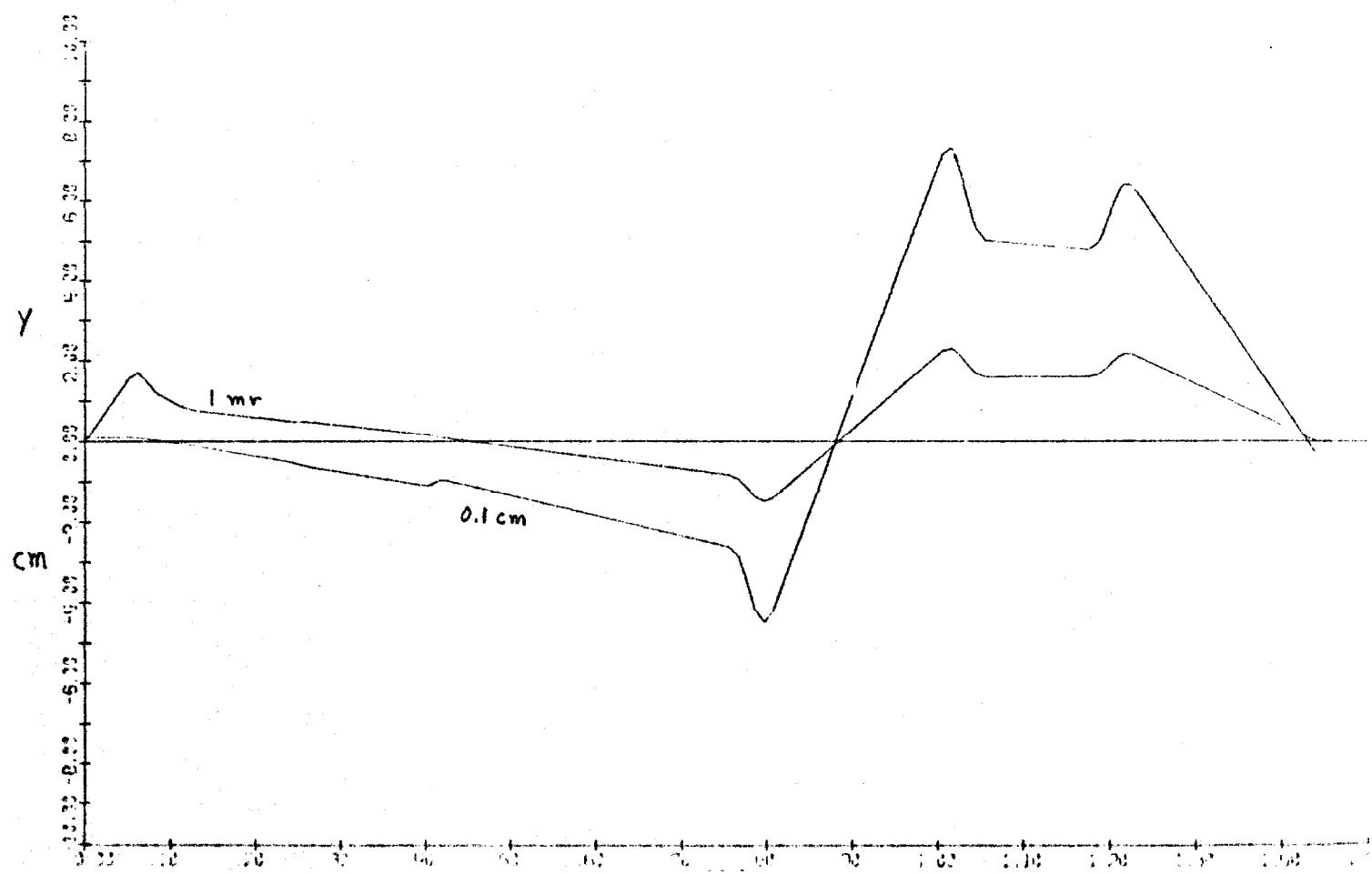
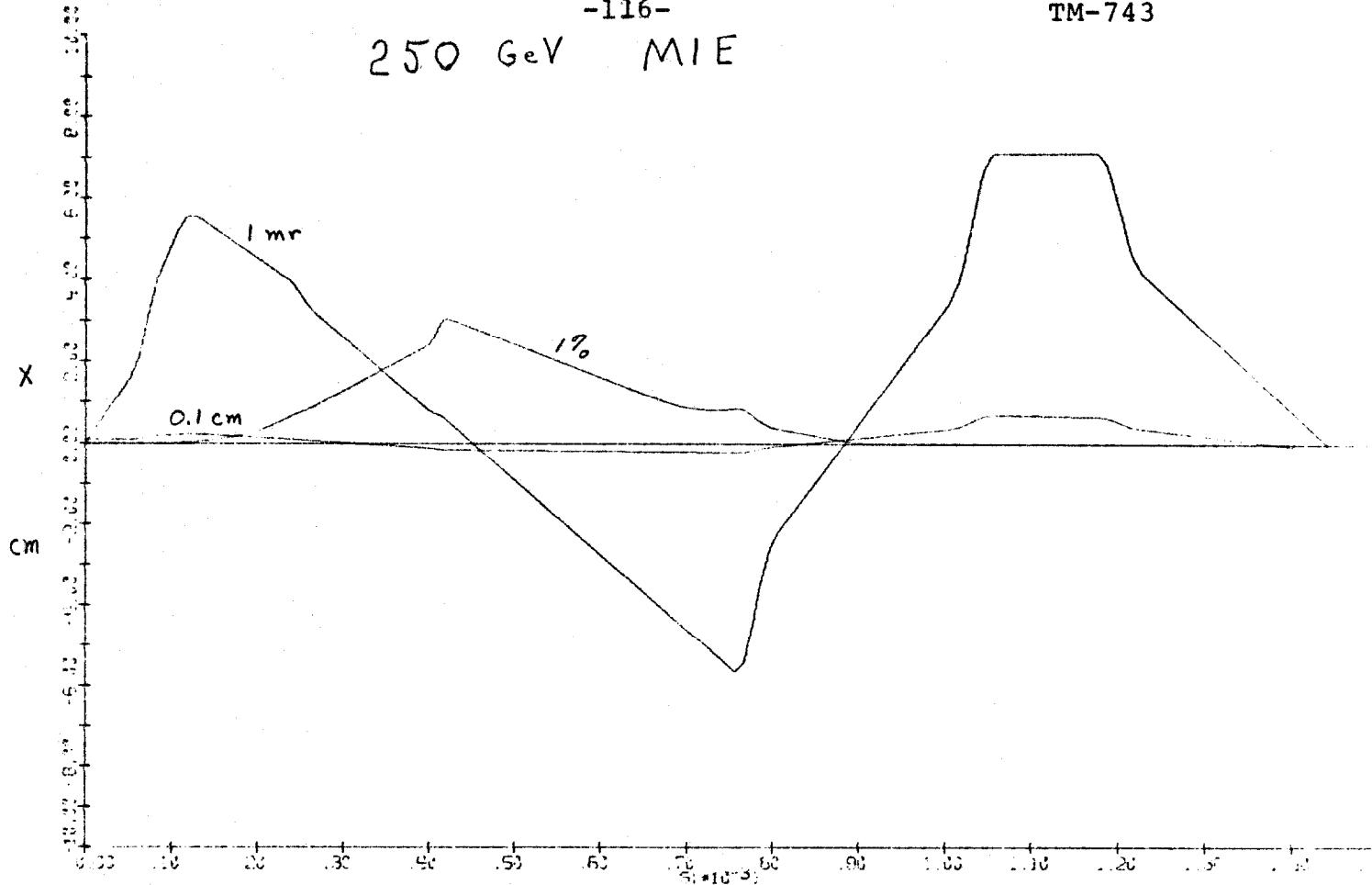
1440.007 FT	-77.1830	0.0230	1437.4985 FT	-76.200	0.000	0.000 MR							
	0.346 CM	0.473 MR	0.192 CM	0.844 MR	0.028 CM	2.000 PC	0.233	0.179					
•DRIFT•	3.	"PM5"	0.00000 FT	-2.1763	0.0000	-0.6932	-0.4595	-1.2045	0.0000	-0.9525	-0.8302	-0.0000	-0.0000
1440.007 FT	-77.1830	0.0000	1437.4985 FT	-76.200	0.000	0.000 MR							
	0.346 CM	0.473 MR	0.192 CM	0.844 MR	0.028 CM	2.000 PC	0.233	0.179					
	-2.1763	0.0000	-0.6932	-0.4595	-1.2045	0.0000	-0.9525	-0.8302	-0.0000	-0.0000			

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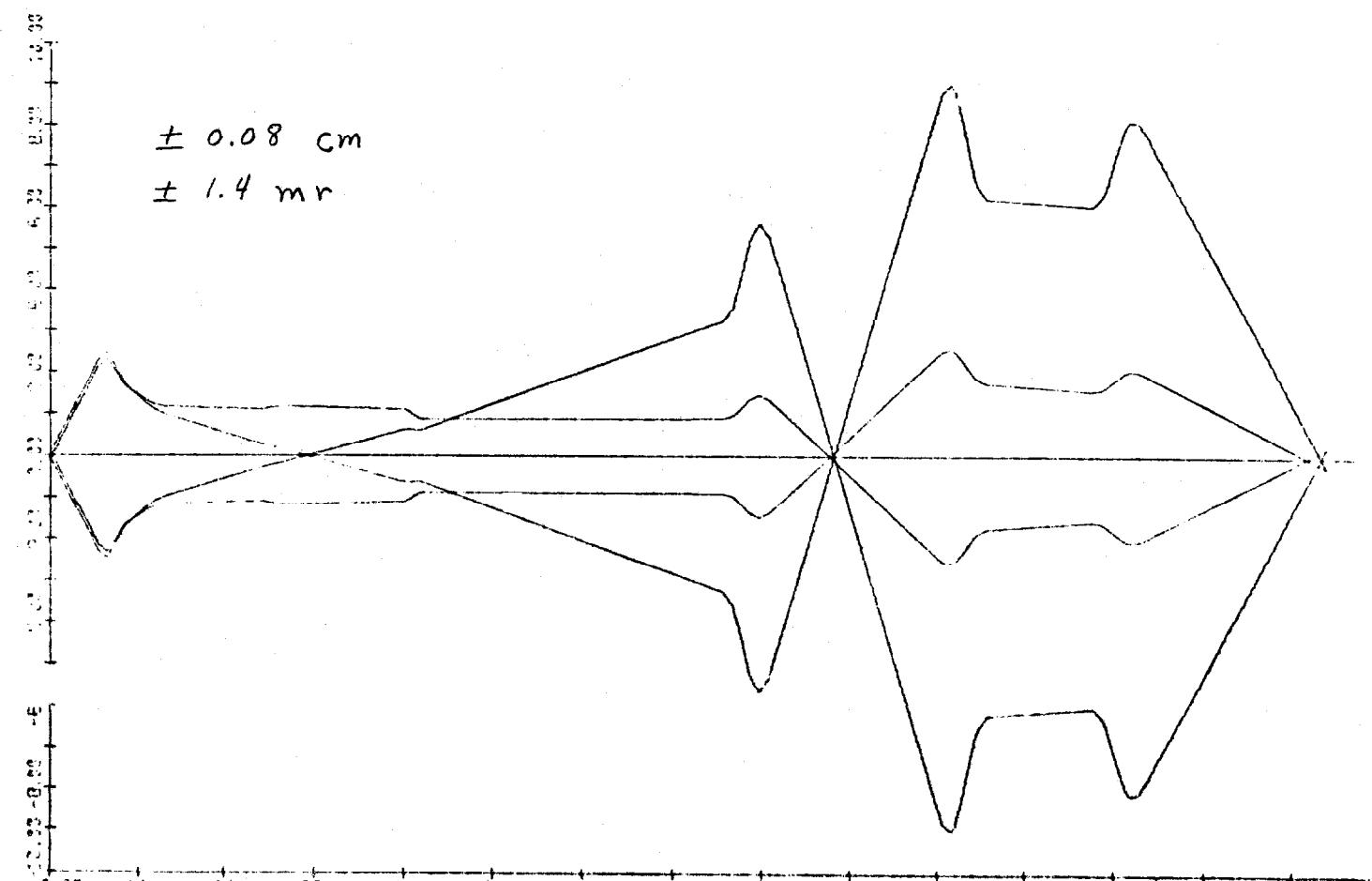
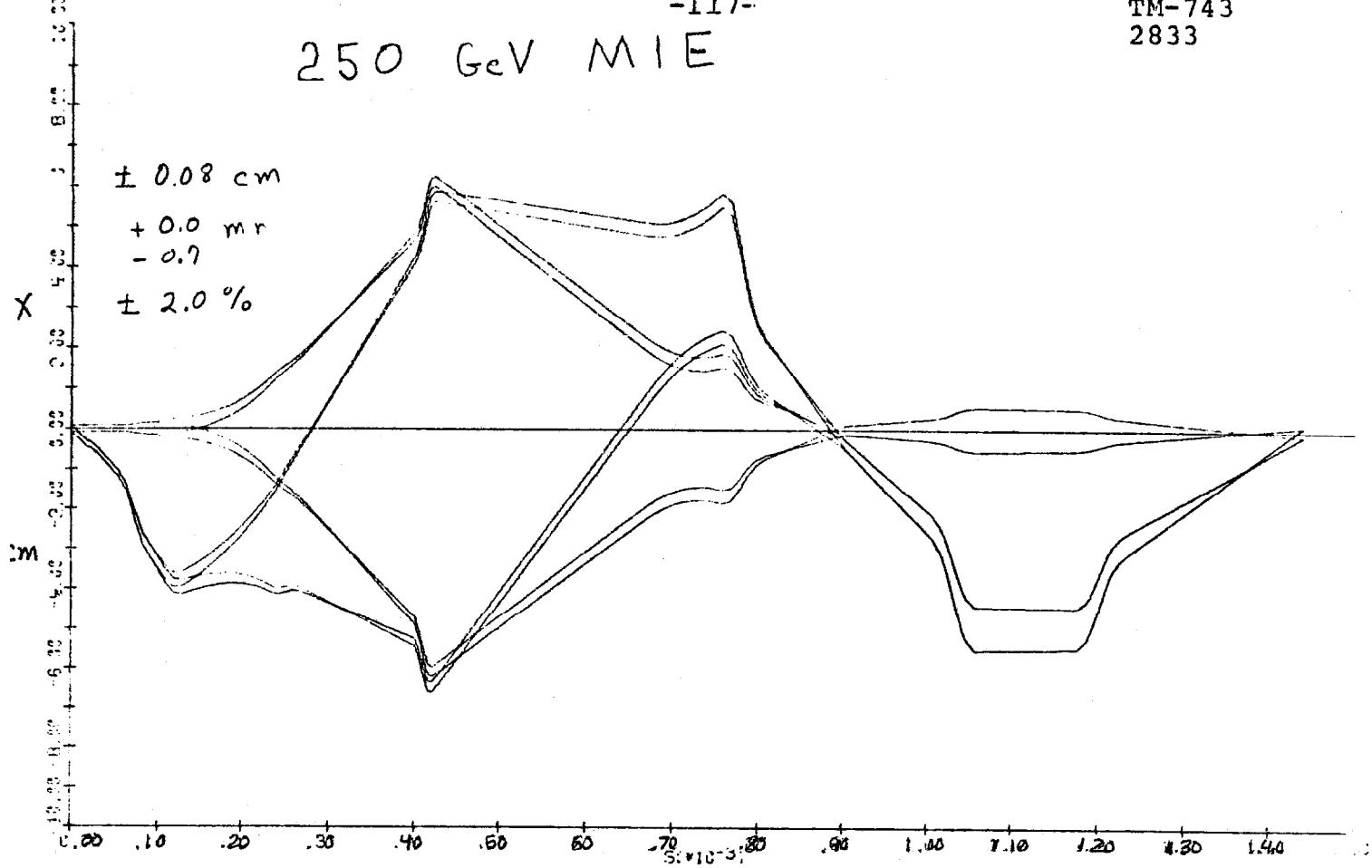
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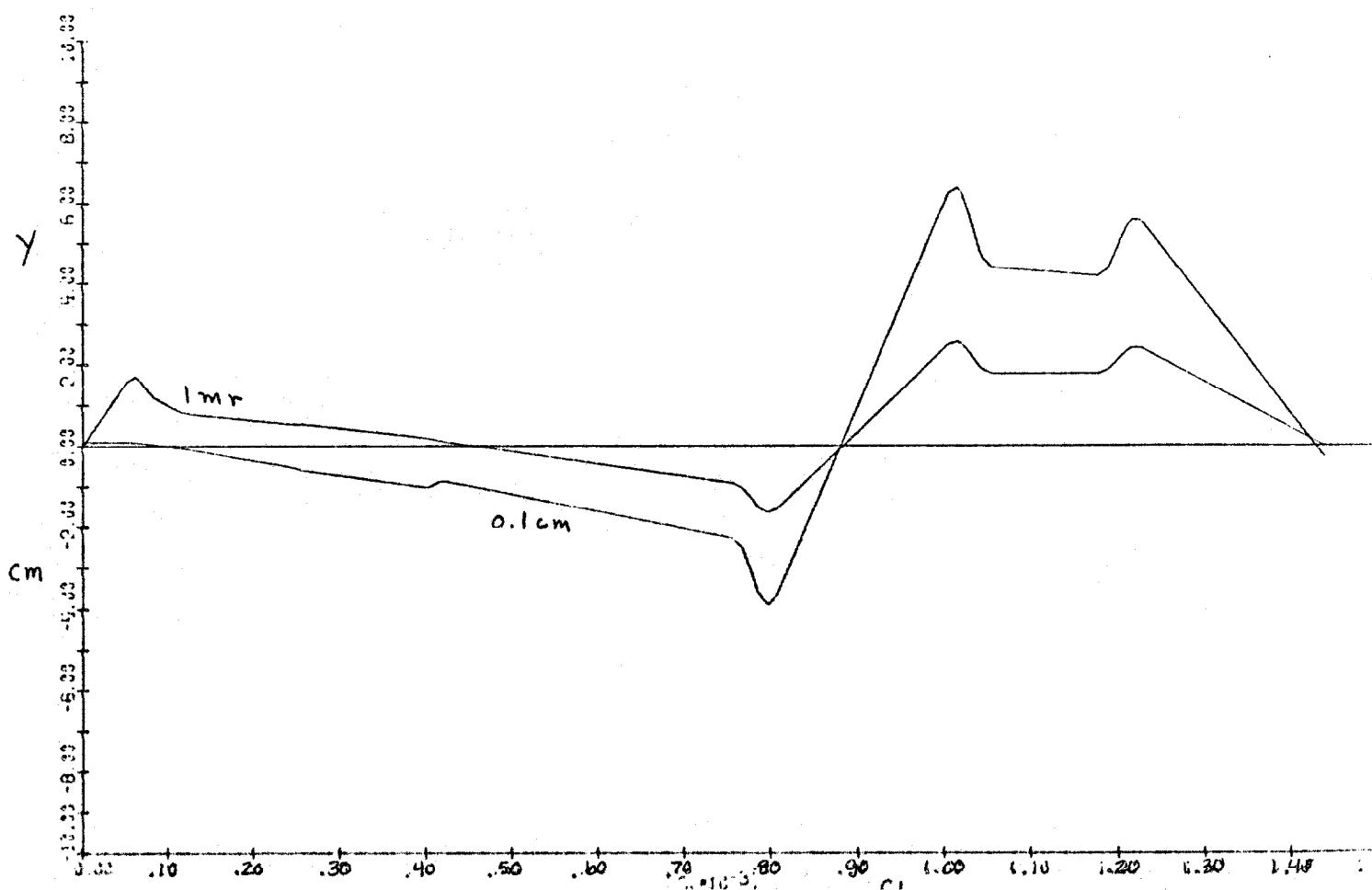
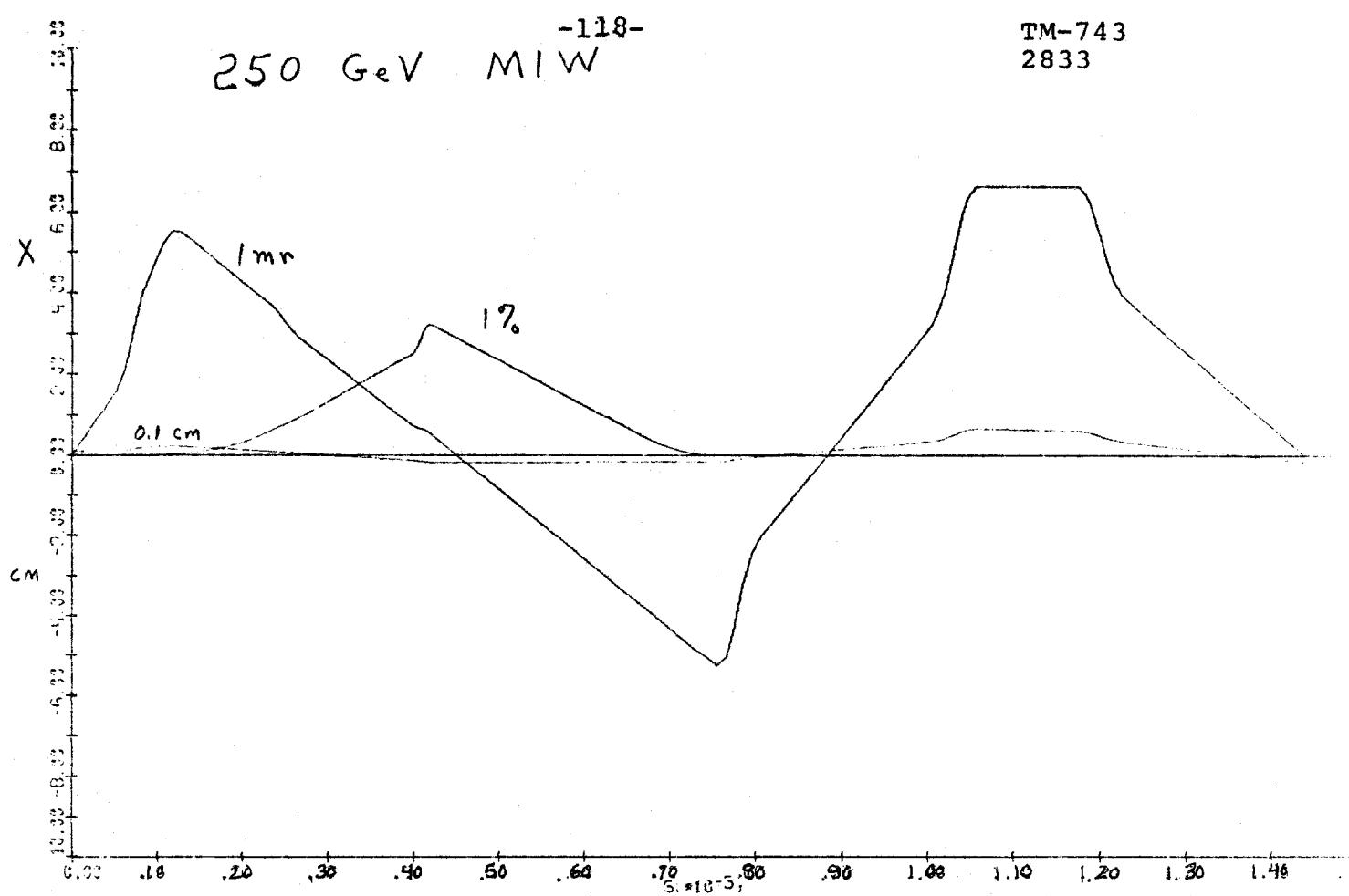
250 GeV MIE



250 GeV MIE

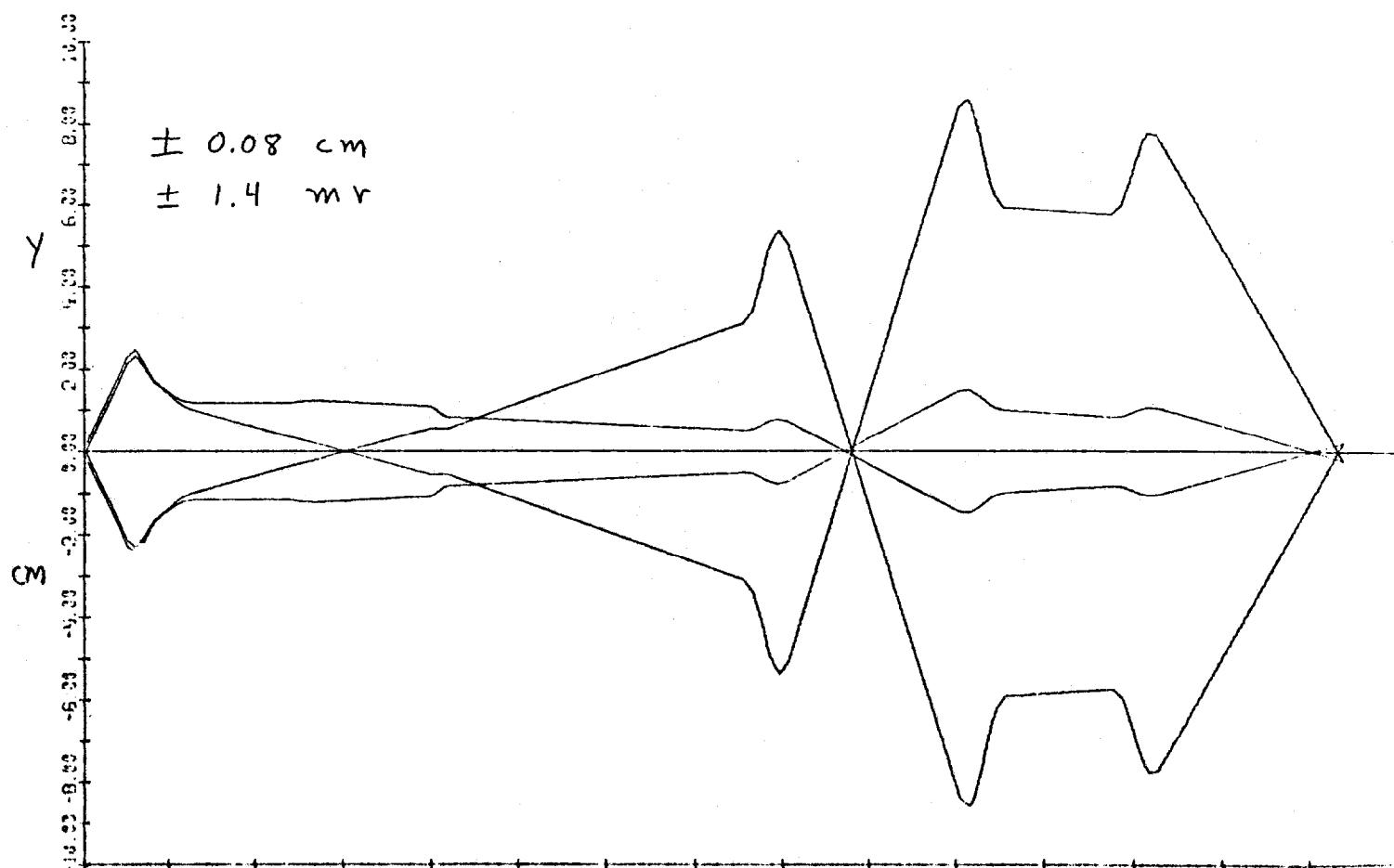
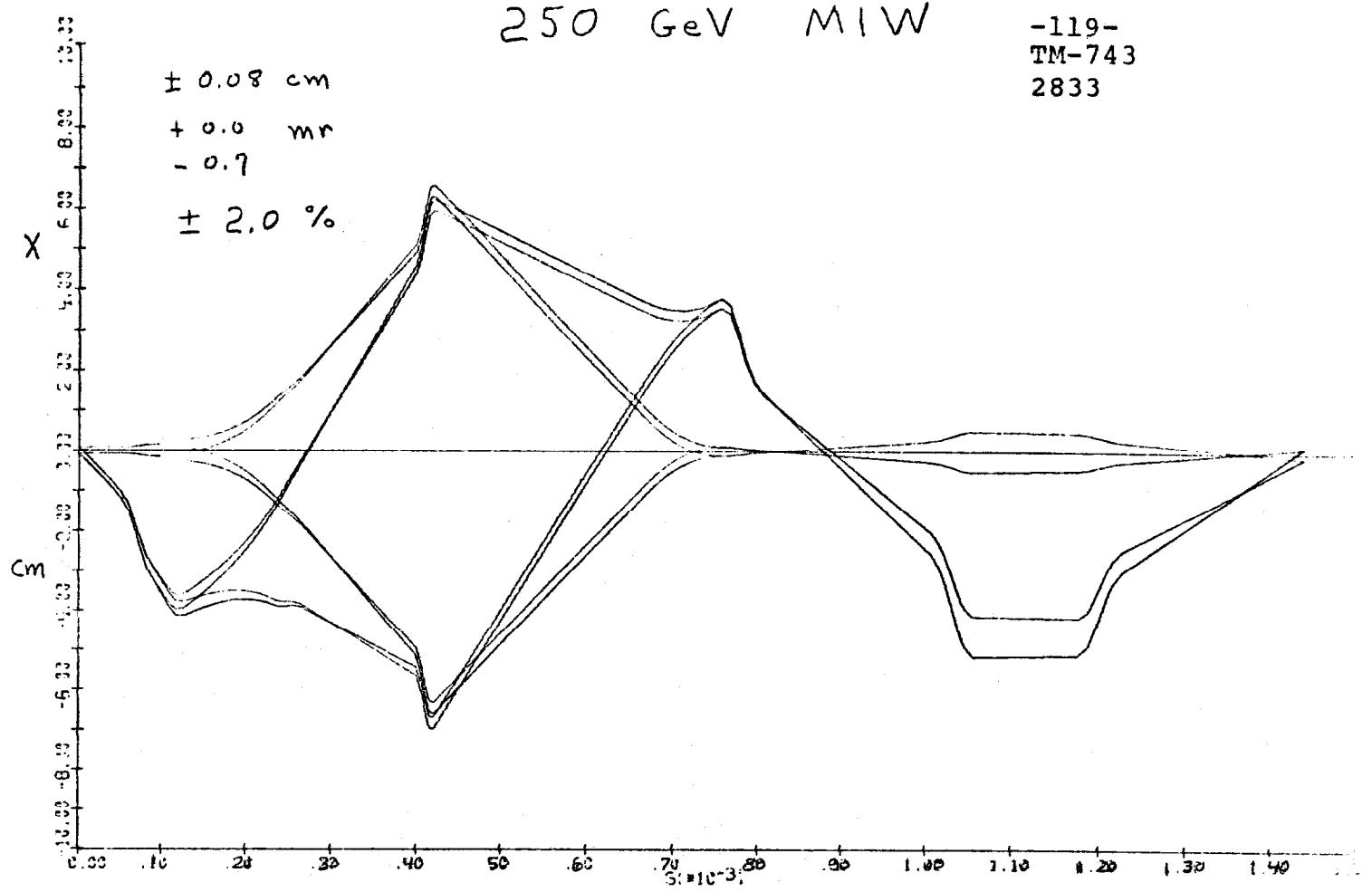


250 GeV M/W



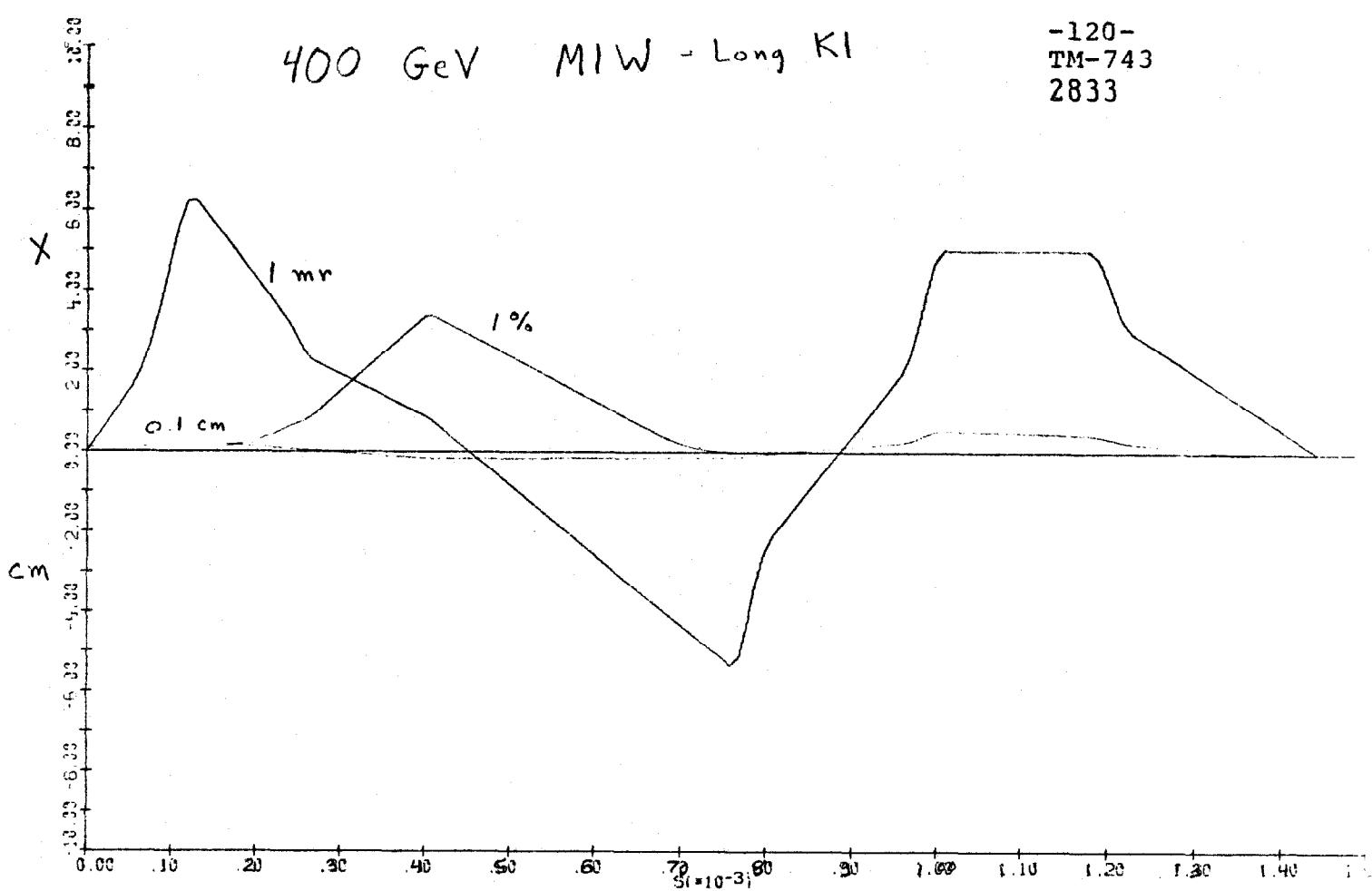
250 GeV MIW

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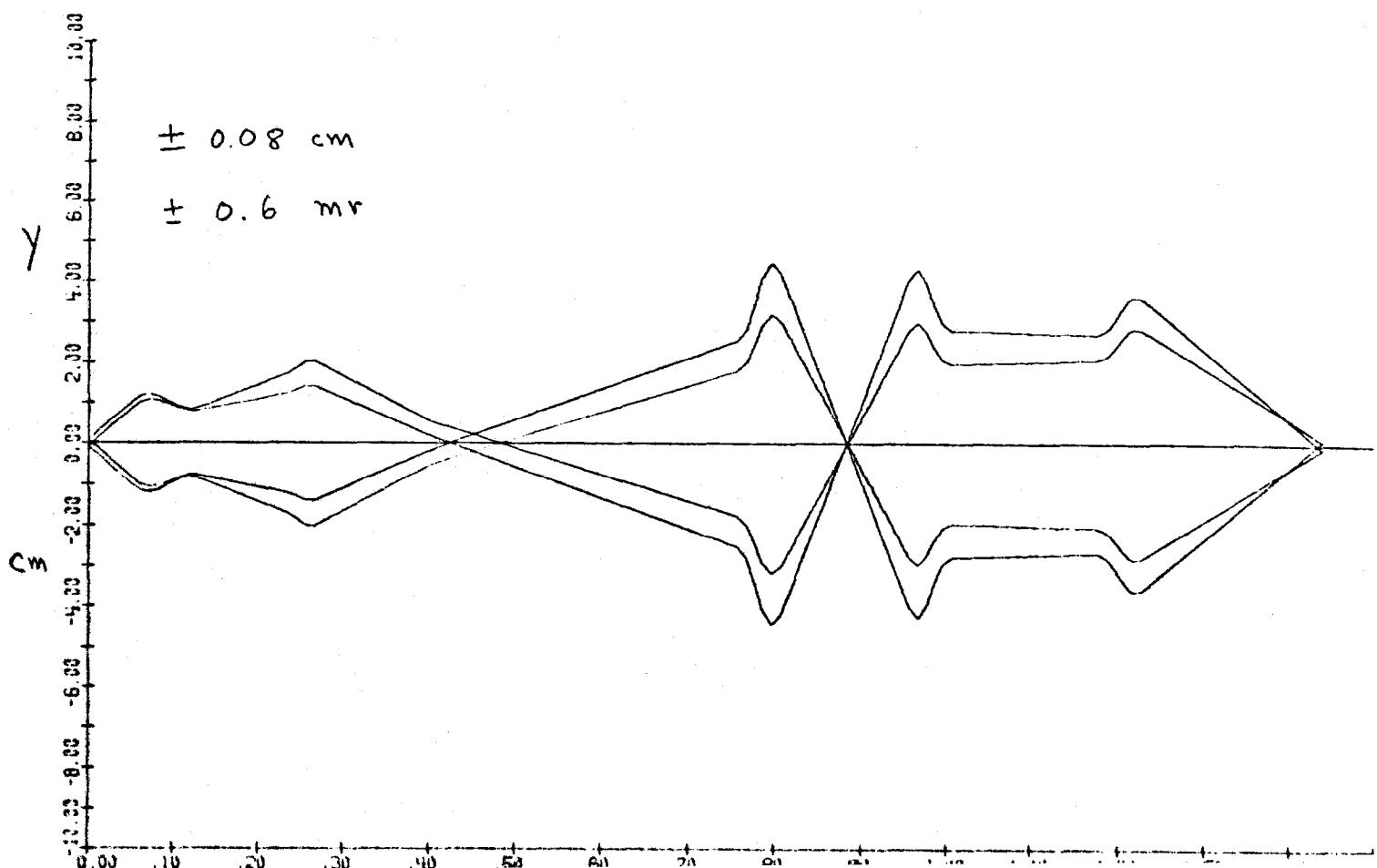
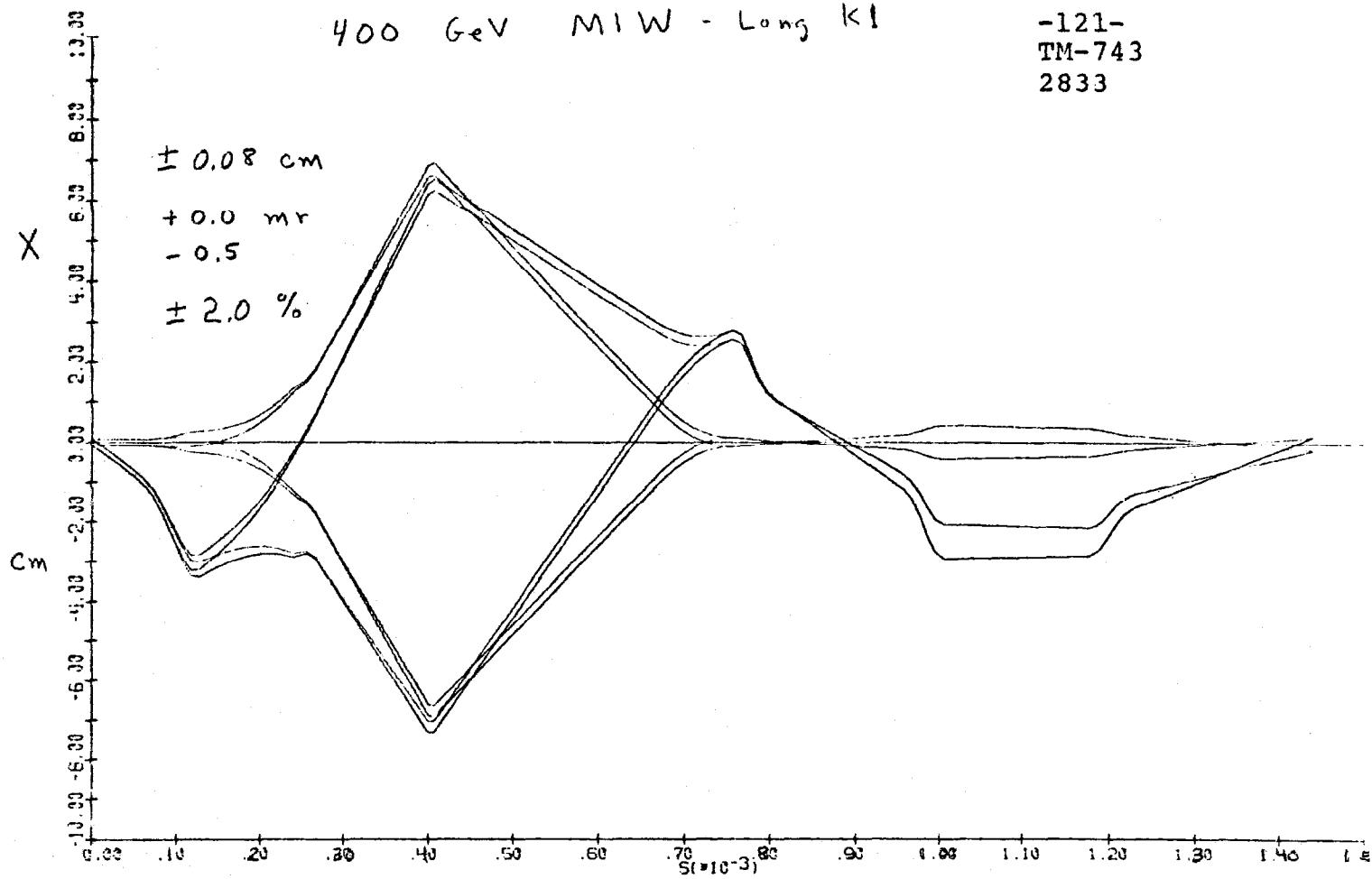
400 GeV MIW - Long KI

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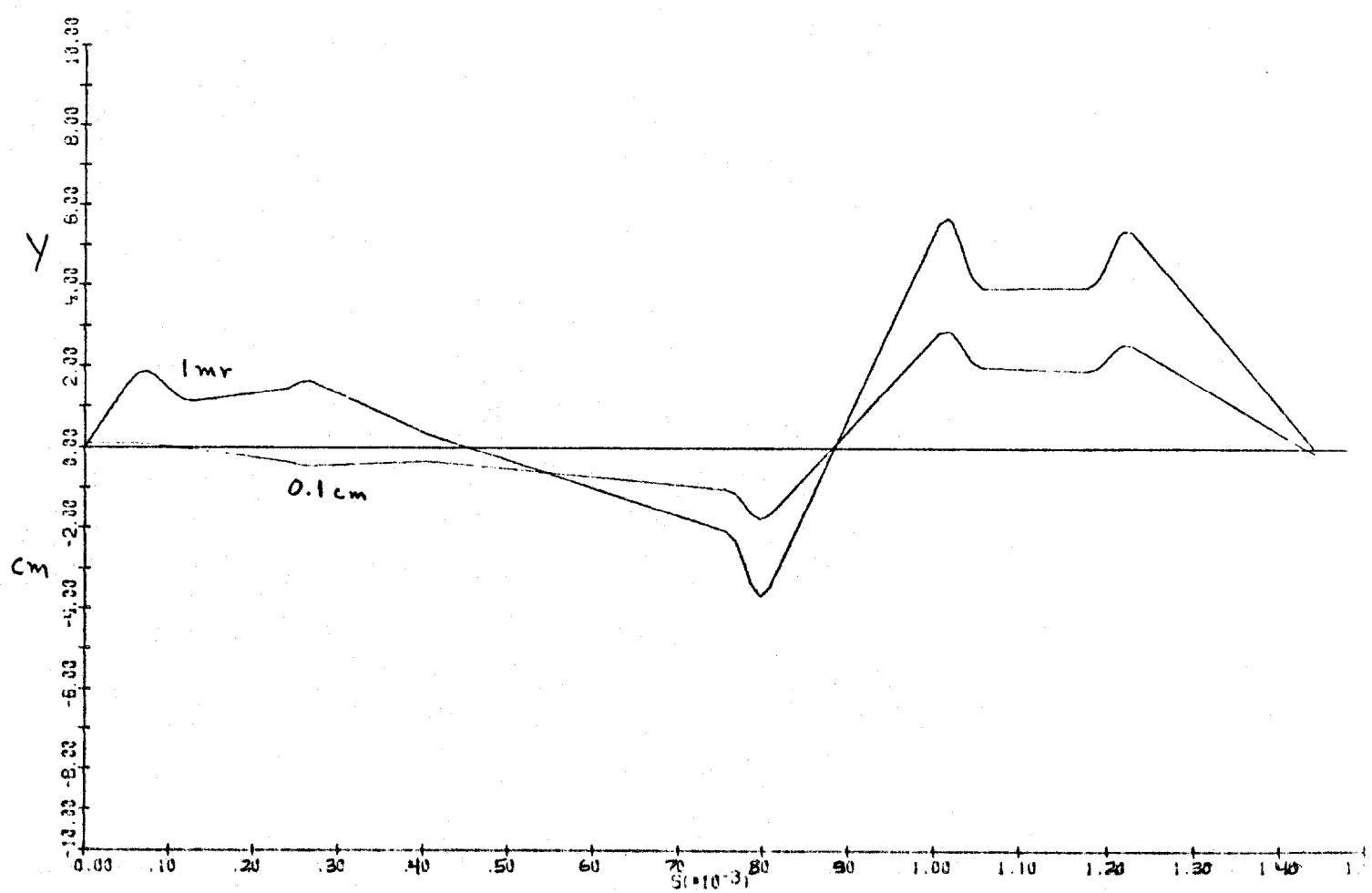
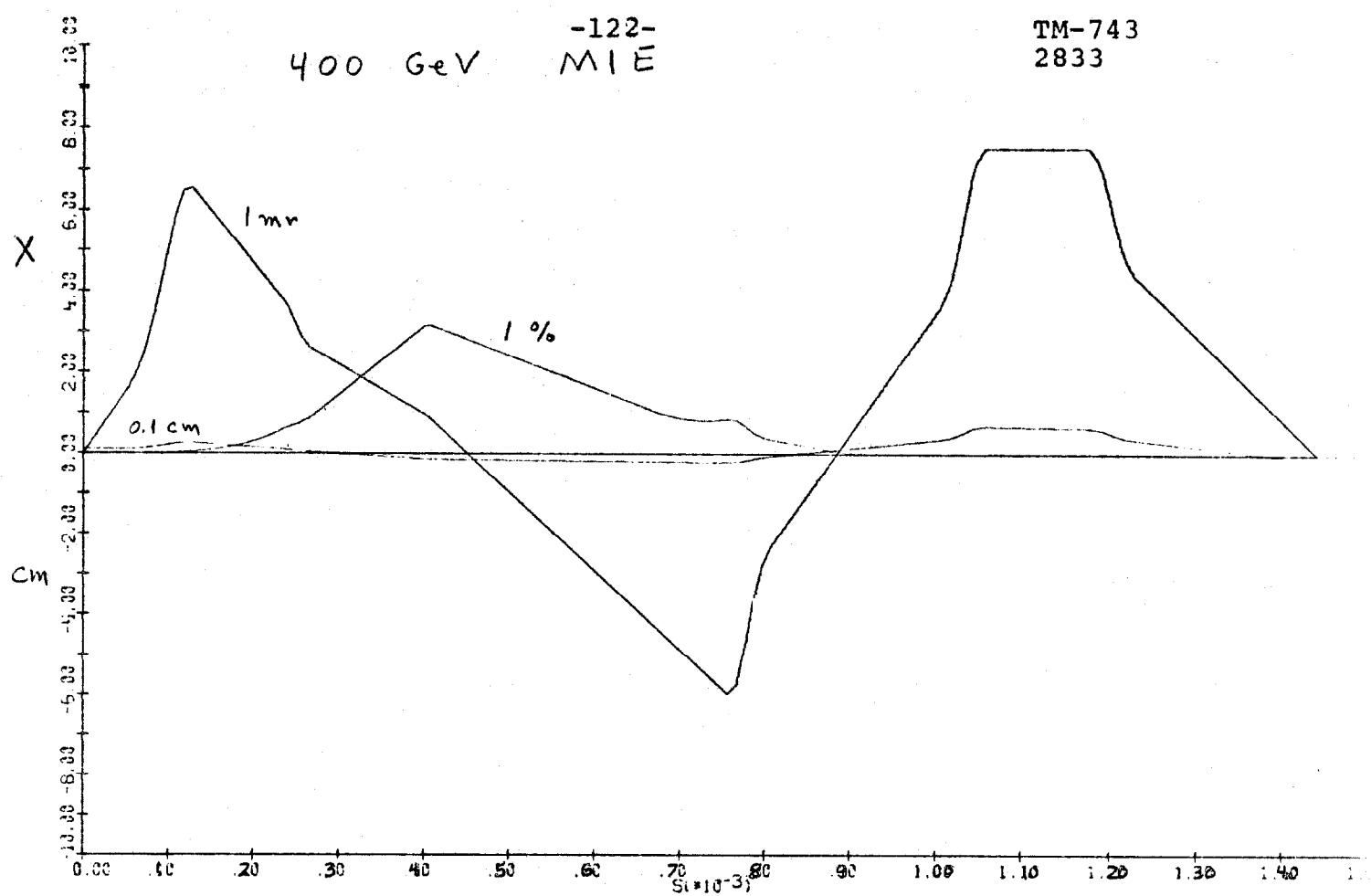
400 GeV MIW - Long K!

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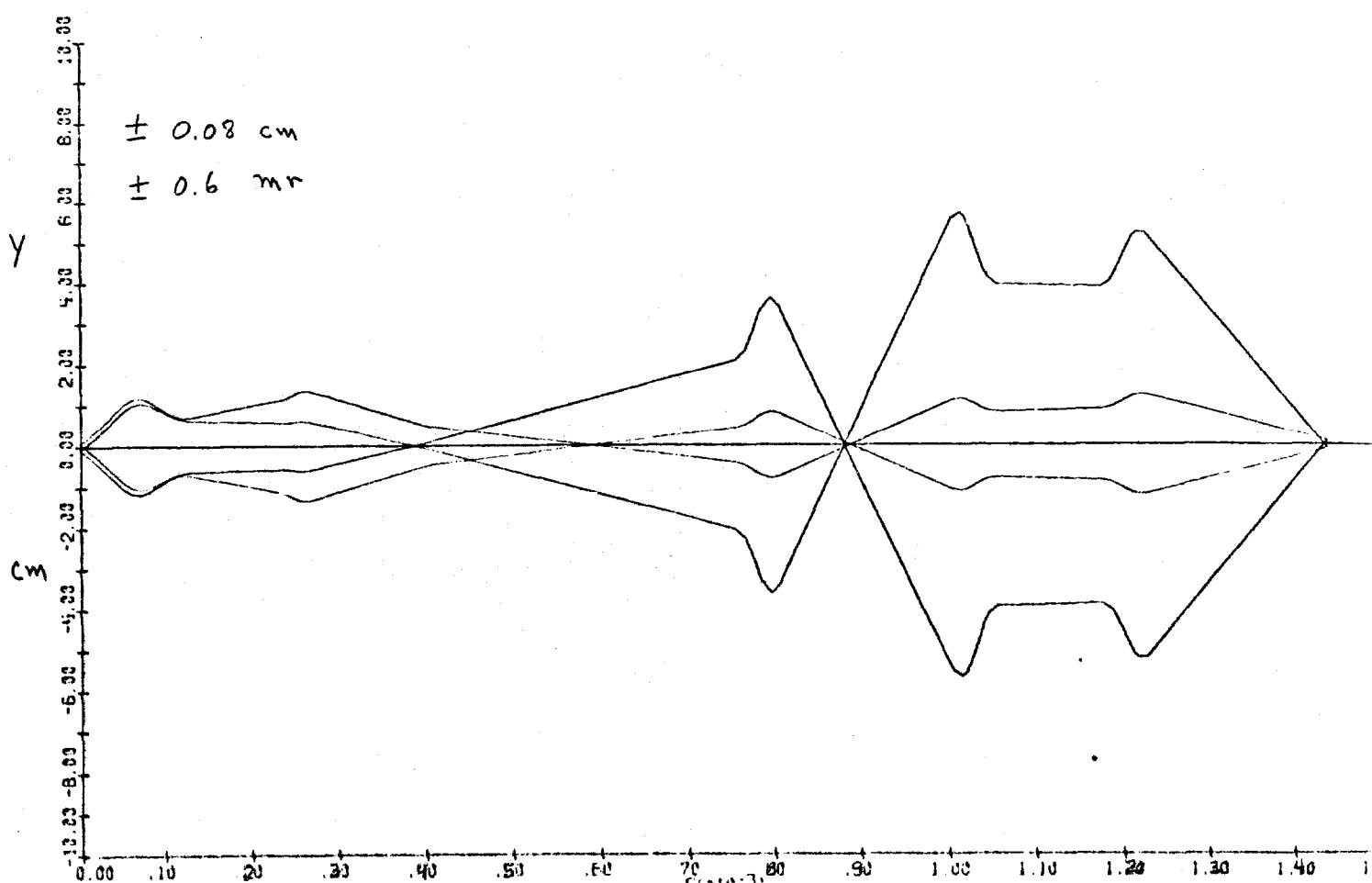
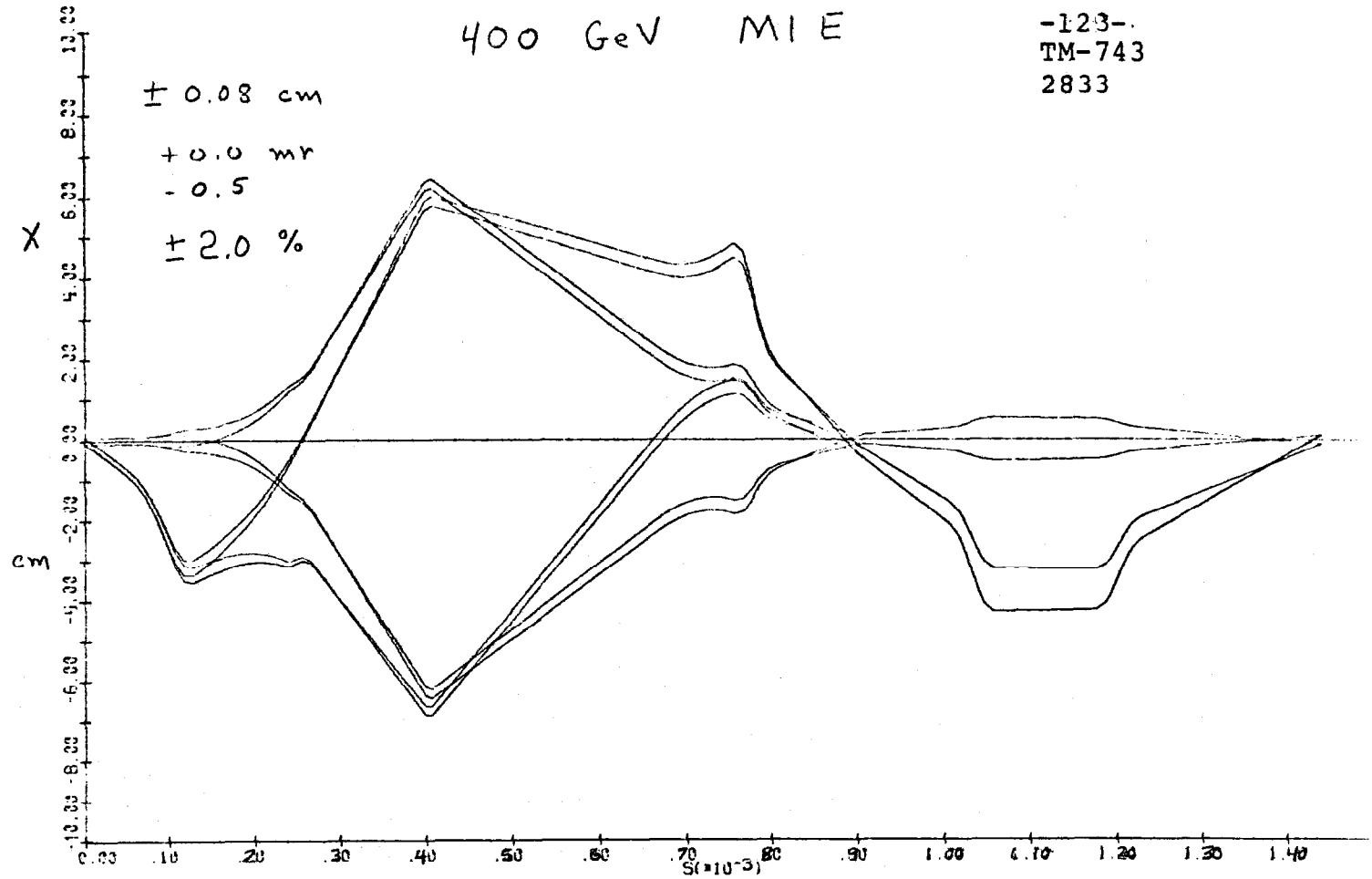
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400 GeV M1 E



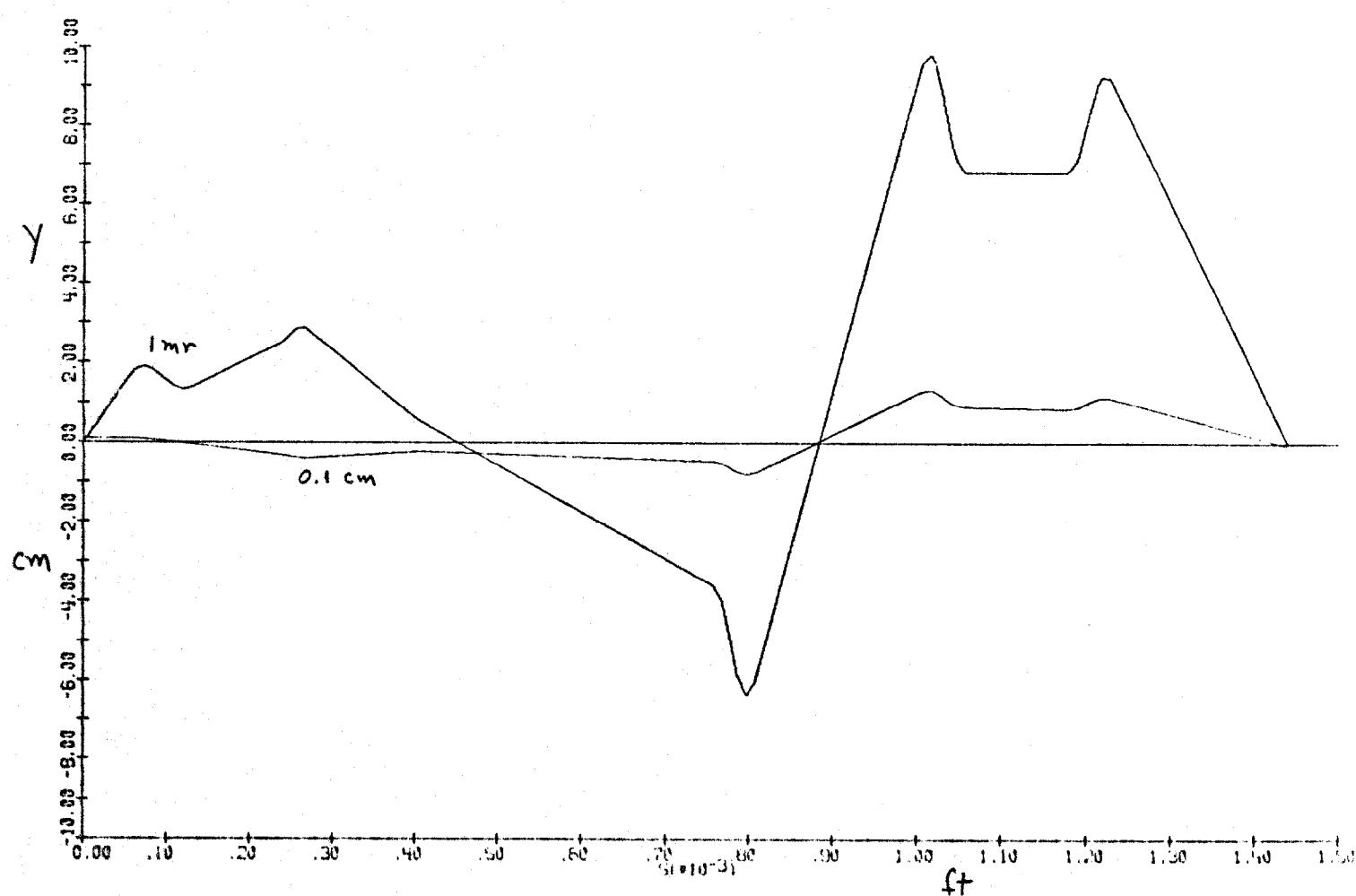
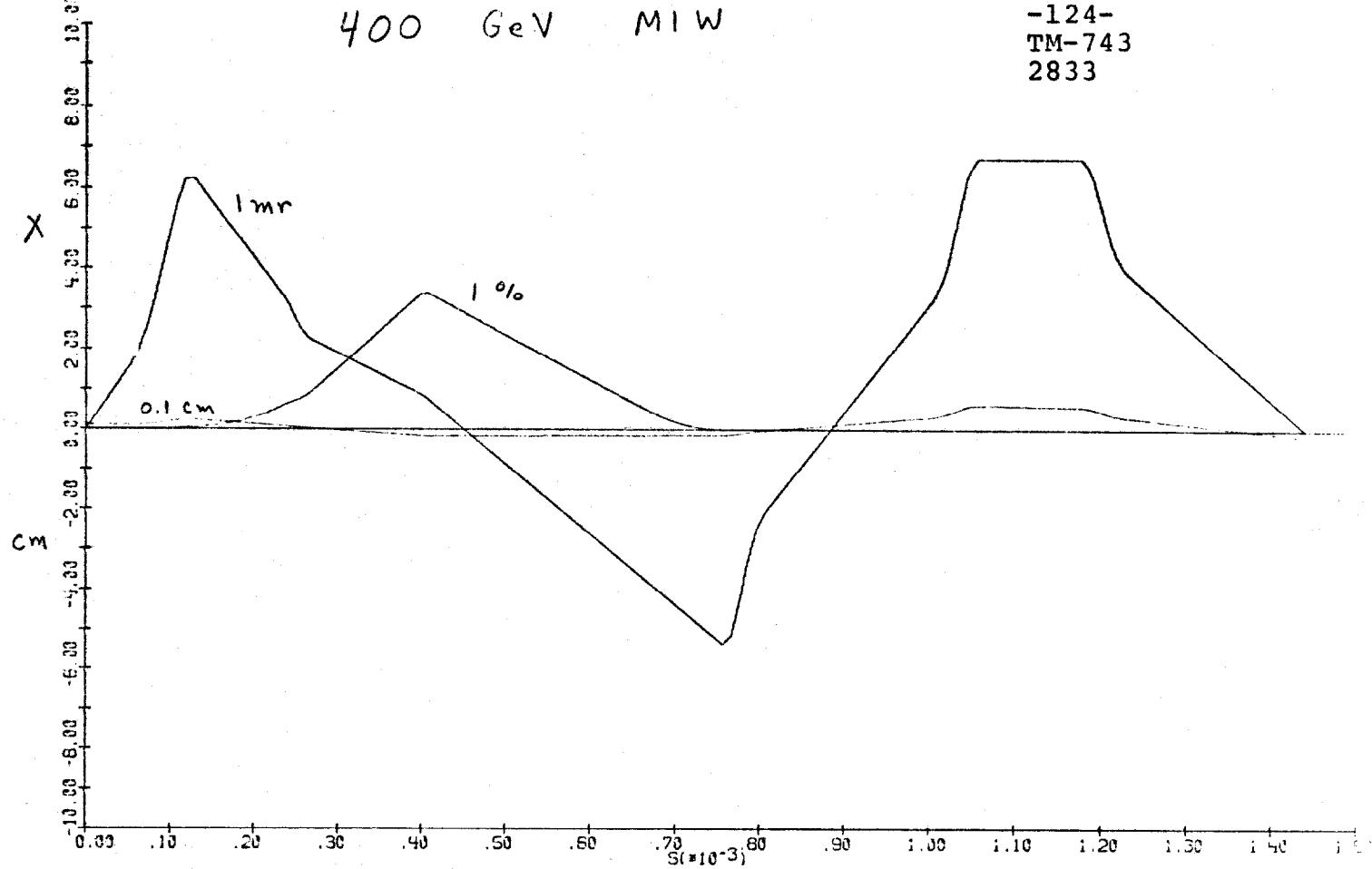
400 GeV M1 E

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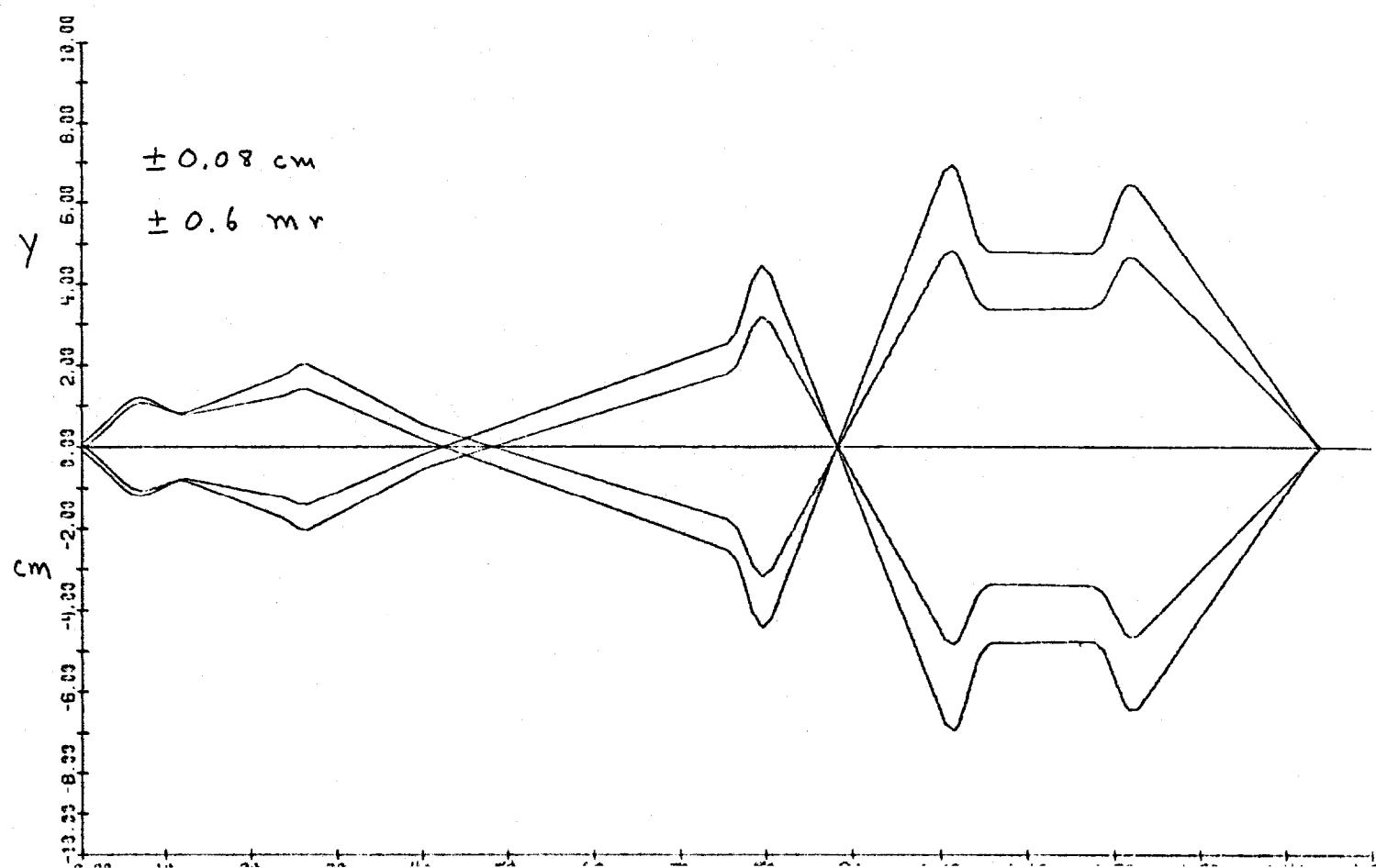
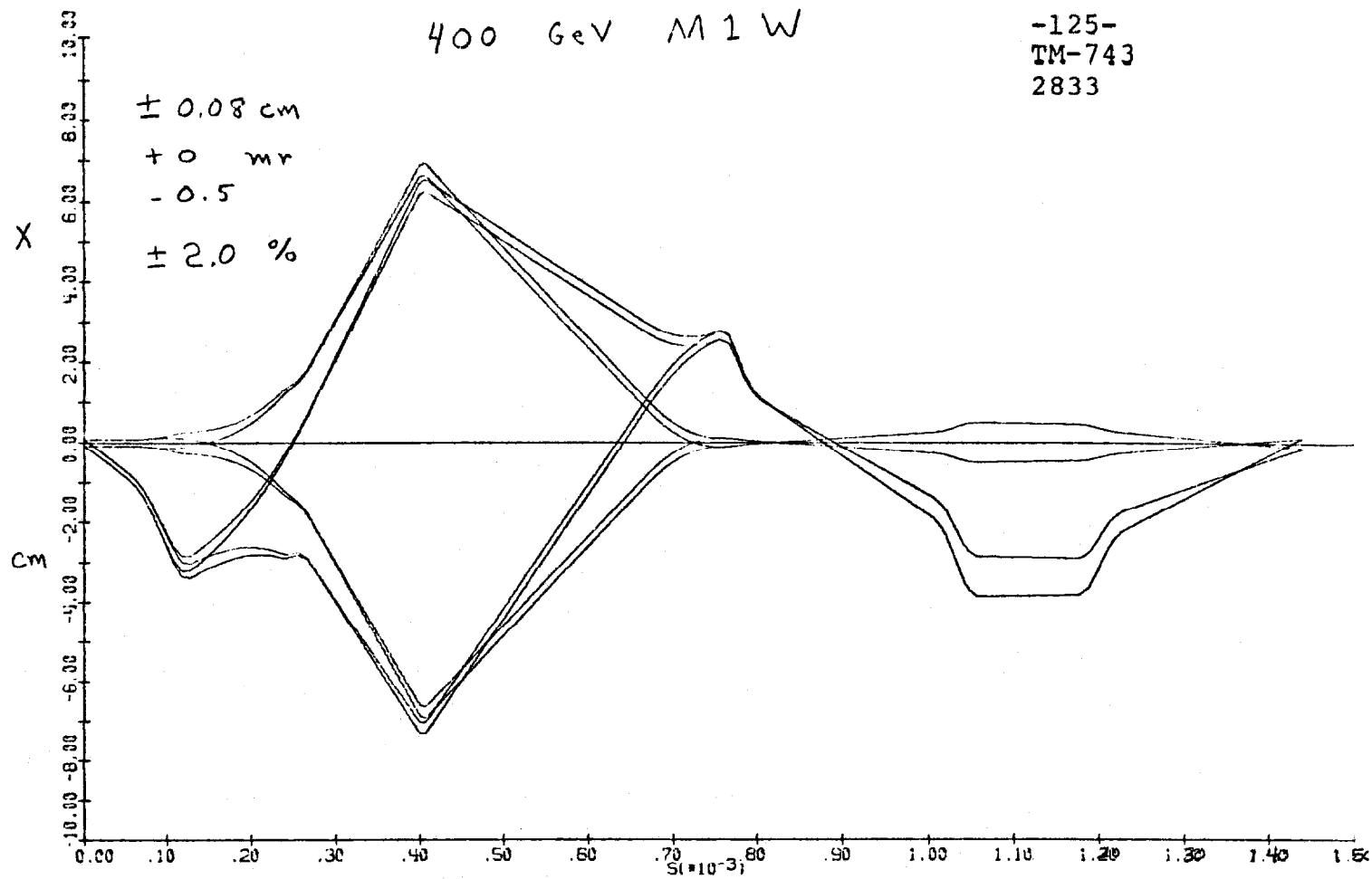
400 GeV MIW

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400 GeV M1W

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**fermi
national accelerator laboratory**

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ML USERS' GUIDE

Stan Ecklund

November 14, 1977

APPENDIX A



-1-
BROOKHAVEN NATIONAL LABORATORY

ASSOCIATED UNIVERSITIES, INC UPTON, L.I., N.Y. 11973

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TELEPHONE: (516) 345-3706

May 21, 1976

Dr. Lincoln Reed
Fermi National Accelerator Laboratory
P.O. Box 500
Batavia, Illinois 60510

Dear Linc,

The function of the High Resolution Gas Differential Cerenkov Counter was to identify secondary particles in the M_1 beam line in the FNAL Meson Laboratory. The M_1 beam line and the Cerenkov counter were designed to be compatible. In particular, the angular divergence of the beam in the "parallel section" dictated the maximum Cerenkov angle for adequate separation at the, then, maximum momentum of 180 GeV/c. The Cerenkov angle was chosen to be 11.5 milliradians for which a radiator length of 55 feet was required. We wanted to have two Cerenkov counters for identifying two types of particles in the "parallel section" so the length of the parallel section became 120 feet long.

Just before the Cerenkov counter design began, it became very clear that the maximum momentum of the particles in that beam will greatly exceed 200 GeV/c. The situation was further complicated by the fact that Klaus Pretzl increased the maximum angular divergence in the "parallel section" from ± 0.2 to ± 0.28 milliradians.

If the two Cerenkov counters were to be combined into one and the Cerenkov angle reduced by a factor of two, there would be insufficient light output (which varies inversely with the square of the Cerenkov angle). I, therefore, changed the Cerenkov angle to 15.66 milliradians for one counter which then gives us 7.61 milliradians when the counters are bolted together. Only the spherical mirror needed to be changed inside the counter.

Enclosed you will find a Xerox copy of a table showing the contribution to the resolution $\Delta\theta/\theta$ from the effect of dispersion in helium for MODE 1 (for separate counters where $\theta = 15.66$ mr) and MODE 2 (for joined counters where $\theta = 7.61$ mr). Notice that the difference between the two contributions varies as the inverse square of the Cerenkov angle. Therefore the effect of dispersion for my 7.61 mr combination is a factor of 10 smaller than for Meunier's DISC counter with its $\theta_c = 24.5$ mr. The need for chromatic correction therefore vanishes. In any kind of a practical beam with high intensities the

main thing to worry about is the angular divergence, also shown in the table. It doesn't vary with momentum and is the main source of the width of the peaks on the pressure curve, and hence the resolution. It's clear that the $\theta_c = 7.61 \text{ mr}$ is adequate for separating K mesons from π mesons even at $450 \text{ GeV}/c$ if the angular divergence is reduced by a factor of three from what currently exists in the M_1 beam line. The Cerenkov angle need not be reduced to reduce the effect of dispersion at current Fermi Lab energies. It would need to be reduced only if the beam angular divergence is not to be reduced. Another advantage of my design over Meunier's is that I can tolerate a factor of 10 higher $\Delta\theta_H \times \Delta\sigma_V$ in the beam for the same resolution. In other words, he needs a much more parallel beam.

So as far as β resolution goes for separating K mesons from π mesons, for $\theta_c = 7.61 \text{ mr}$ it is only a function of beam angular divergence. For $\theta_c = 15.66 \text{ mr}$ it is a function of angular divergence up to $\approx 300 \text{ GeV}$ at which point the dispersion effect enters in.

The effect of momentum spread in the beam and multiple scattering on the resolution can be ignored.

The Cerenkov counter pressure vessel and quartz photomultiplier windows were designed to operate at a maximum pressure of 300 p.s.i. I decided on that high pressure mainly in order to have a rigid structure that would not be affected by temperature and pressure changes. High pressures usually are required at low momenta where high resolution is not necessary and so one can switch to a gas such as CO_2 .

There are 6 photomultiplier tubes on each of the coincidence and anti-coincidence rings. Enclosed is the optics diagram of the Cerenkov counter at the photomultiplier tube end as well as the diagram for a single counter. Adjacent pairs of the 6 coincidence photomultipliers are added with resistive mixers, amplified, and a three-fold coincidence required. The 6 anti-coincidence outputs are added with resistive mixers, amplified, and put in anti-coincidence with the three-fold coincidence.

Twelve RCA C 31000 M photomultipliers and twelve RCA 8575 photomultipliers were to be used on the two counters, the former on the coincidence channel and the latter on the anticoincidence channel. We couldn't get delivery on the C31000 M's and so the original running was all done with RCA 8575's. Enclosed are copies of pressure curves taken at 100, 150 and 200 GeV/c , all taken with RCA 8575's. The resolution was adequate and the efficiency exceeded 90%.

When I bolted the two counters together we scrounged up six C 31000 M's at Fermilab and put them on the coincidence side, with RCA 8575's on the anti-coincidence side and took the enclosed pressure curve at $280 \text{ GeV}/c$. The primary proton momentum was $300 \text{ GeV}/c$.

The counting rates are limited by the photomultiplier base design and discriminator. We could operate at $10^6/\text{pulse}$. Val Fitch is running with one of my old counters at the AGS on antiprotons. The \bar{p} level is at a level of

10^5 - 10^6 /pulse and π^- level at 10^7 - 10^8 /pulse. Under circumstances such as these the anti-coincidence channel could not be used. The background between peaks could be increased by a factor of 10. This should almost never be a problem at Fermilab because the rates π mesons are not at that level at the highest momenta where high resolutions are required. I should point out that the resolutions at 100, 150 and 200 GeV/c would now be better than shown on the pressure curves with the C 31000 M's, all twelve of which are presently in the counters.

Each counter weighs about 5000 pounds. You might notice that there is a long extension pipe on the upstream end of the Cerenkov counter just to give it a longer radiator length. In tandem use the counter weighs about twice as much. The two extension pipes are bolted together on the upstream end of the counter.

Some of the other numbers that you may wish to have are:

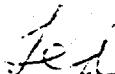
Focal lengths of spherical mirrors; 409.4 inches and 842.82 inches.

Inside radius of pressure vessel; 9.625 inches.

Pressure vessel wall thickness; 0.375 inches.

I should stop at this point and if you have any more questions I shall respond to them. Regards,

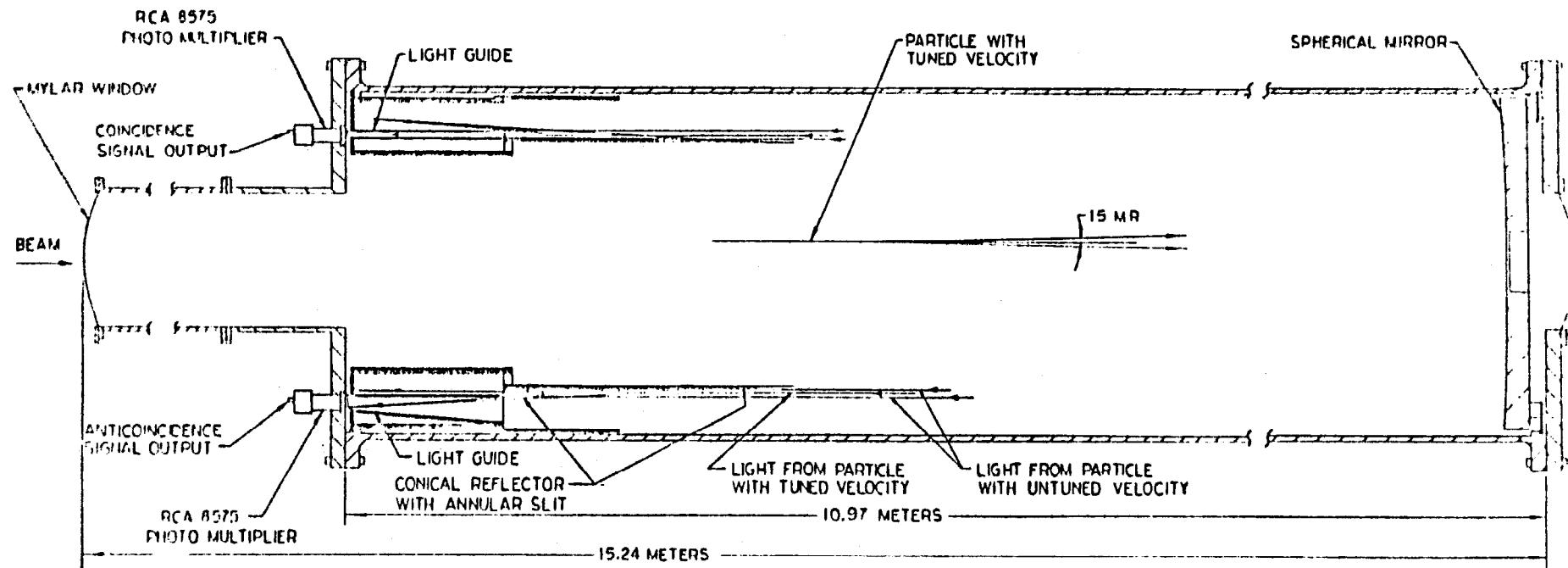
Sincerely yours,



T. F. Kycia

Encls.

DIFFERENTIAL CERENKOV COUNTER



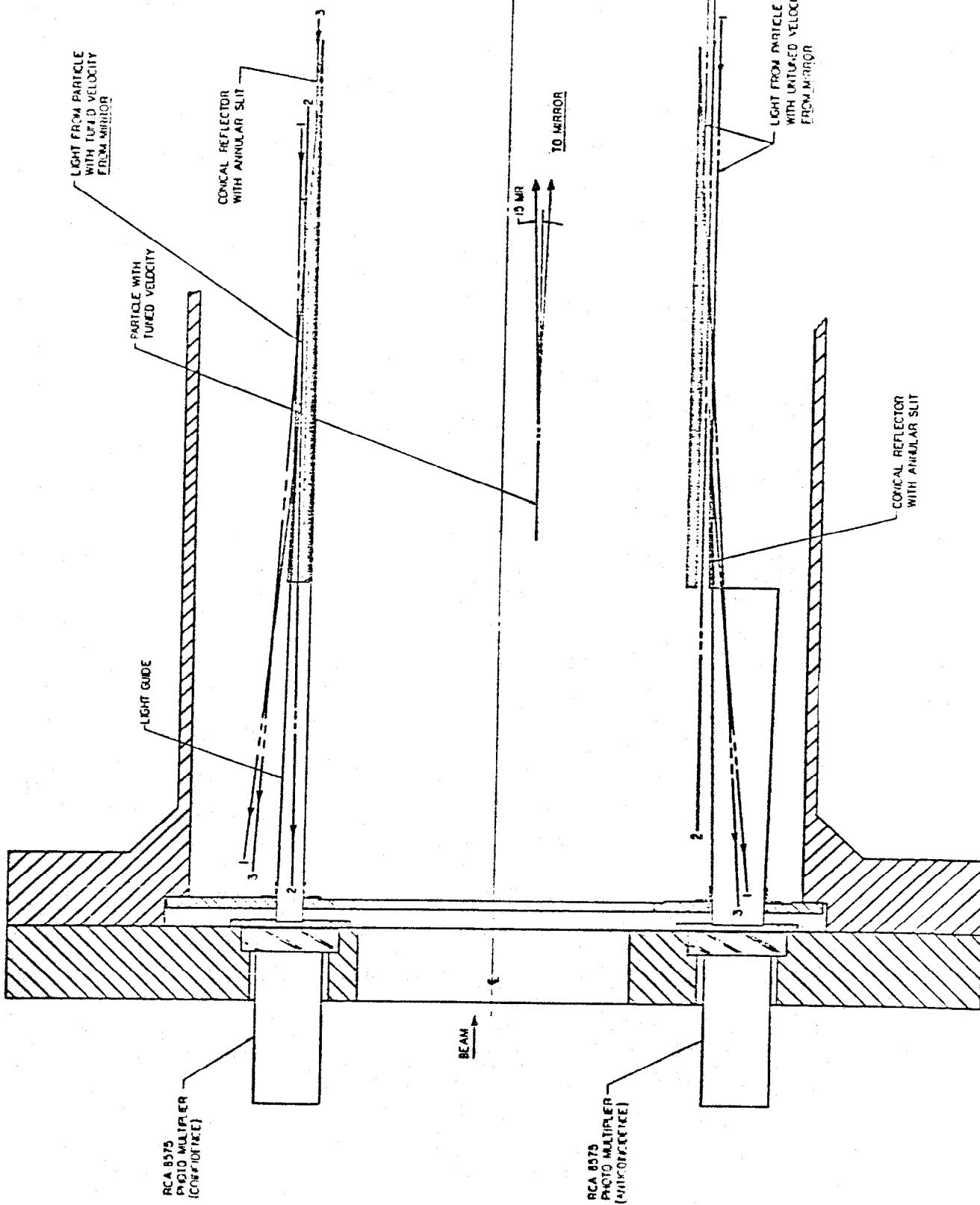
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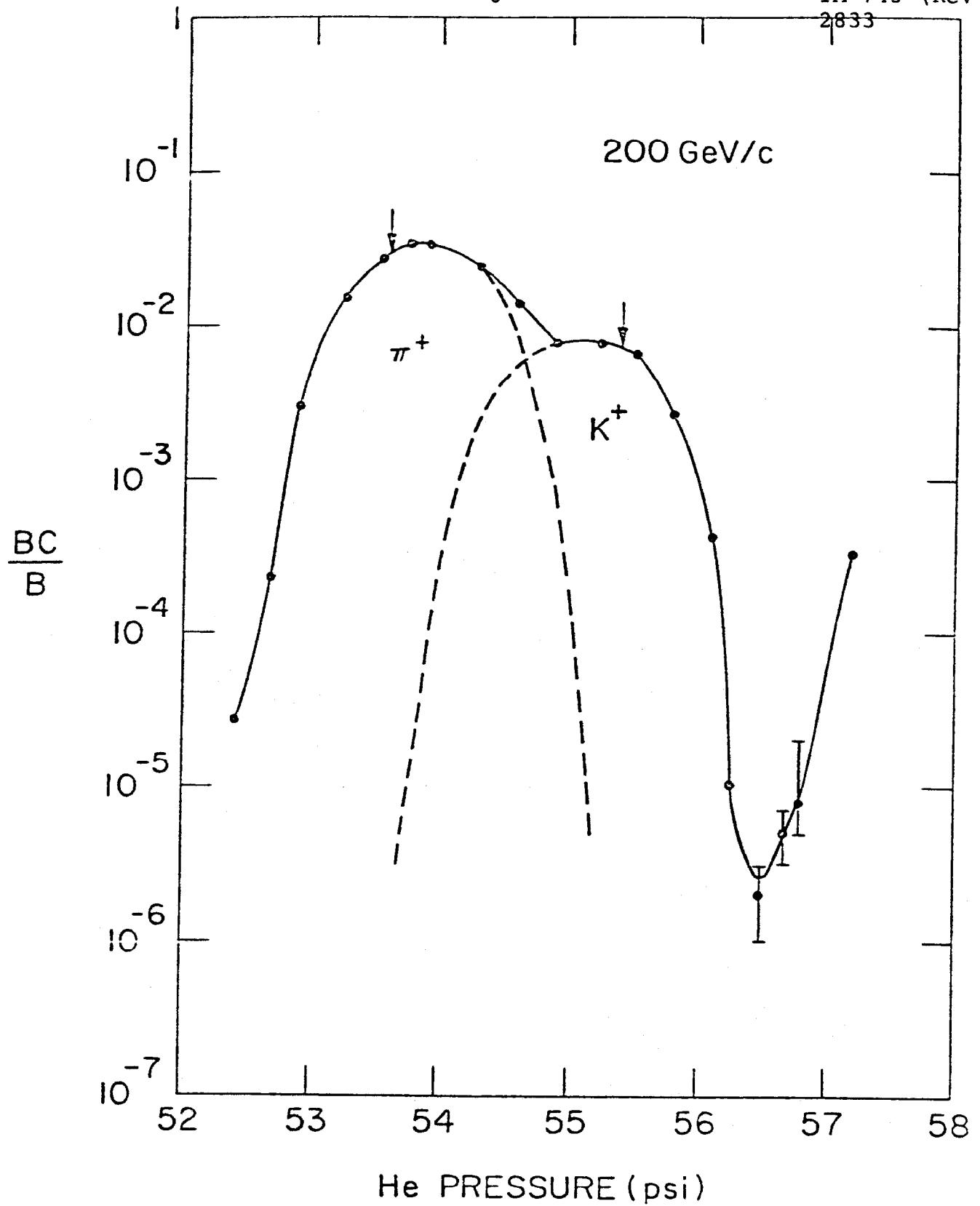
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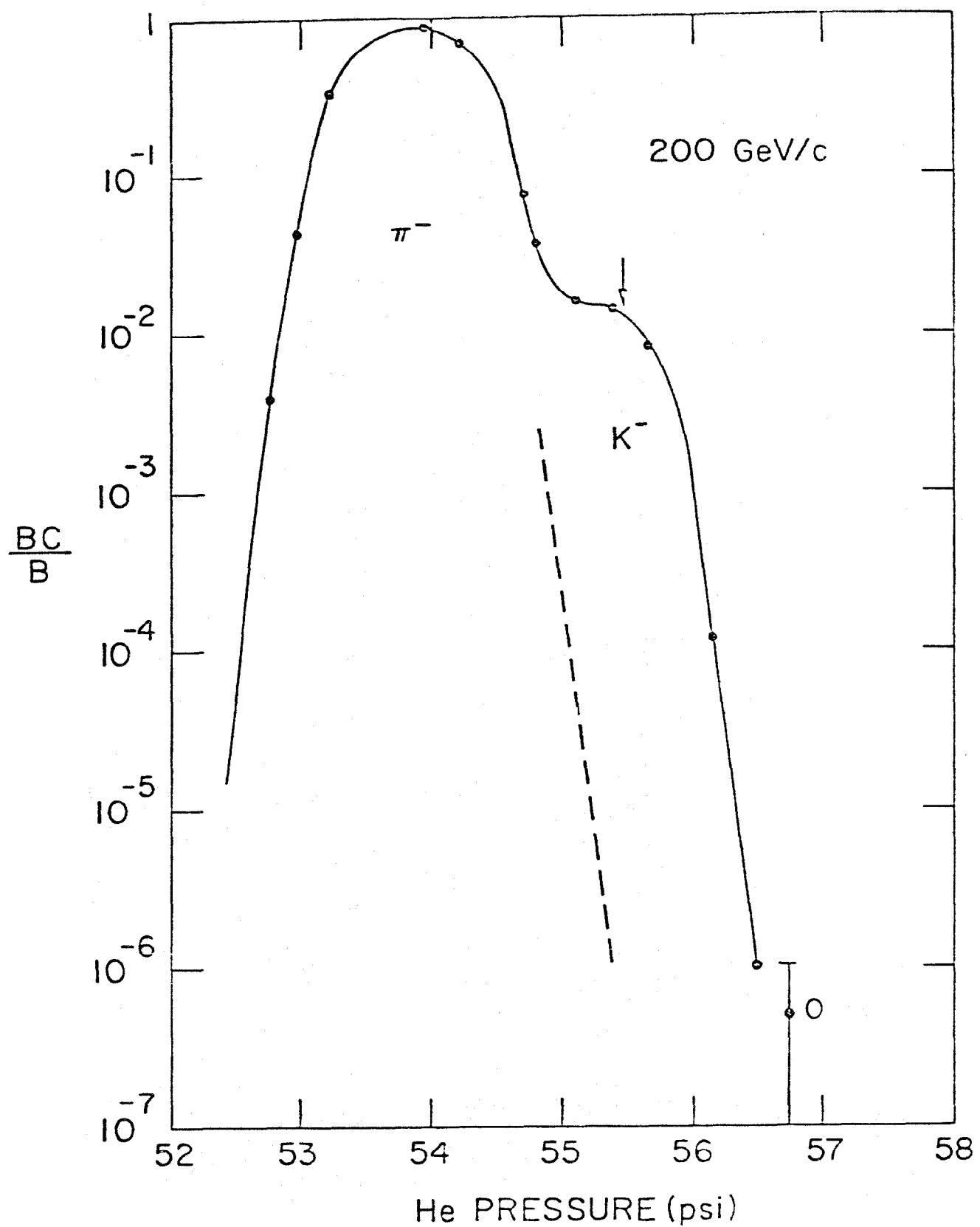
DIFFERENTIAL CERENKOV COUNTER

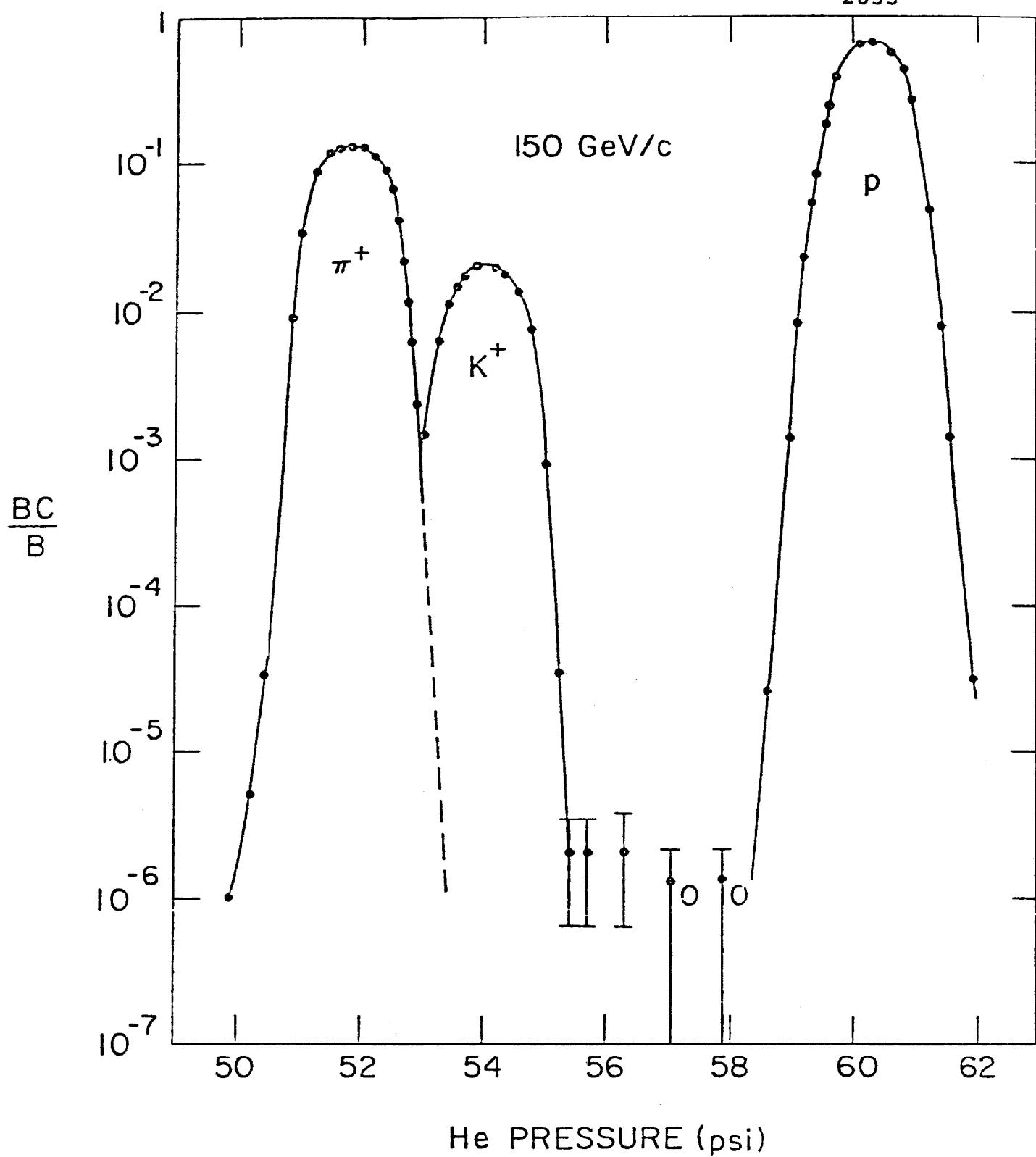
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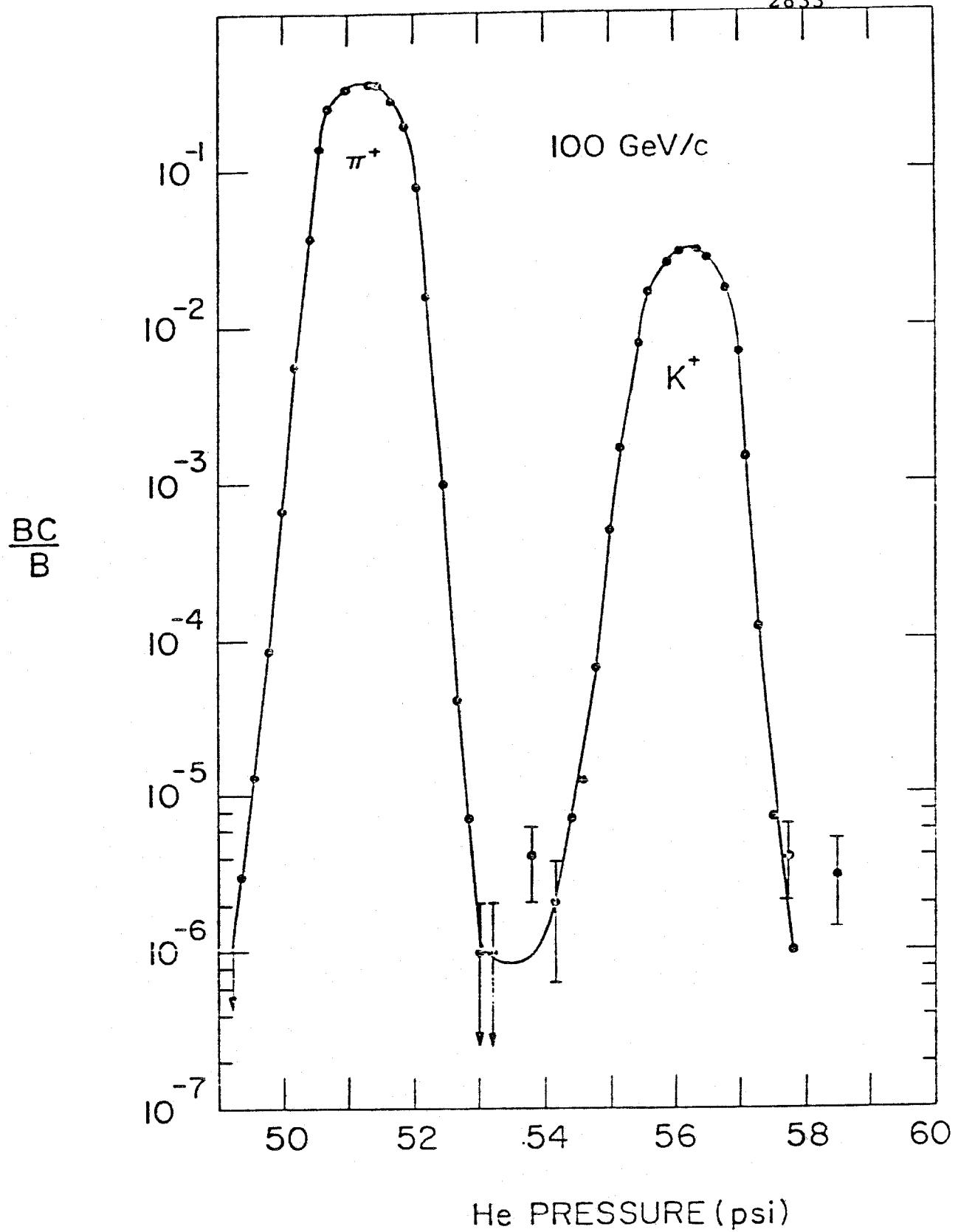
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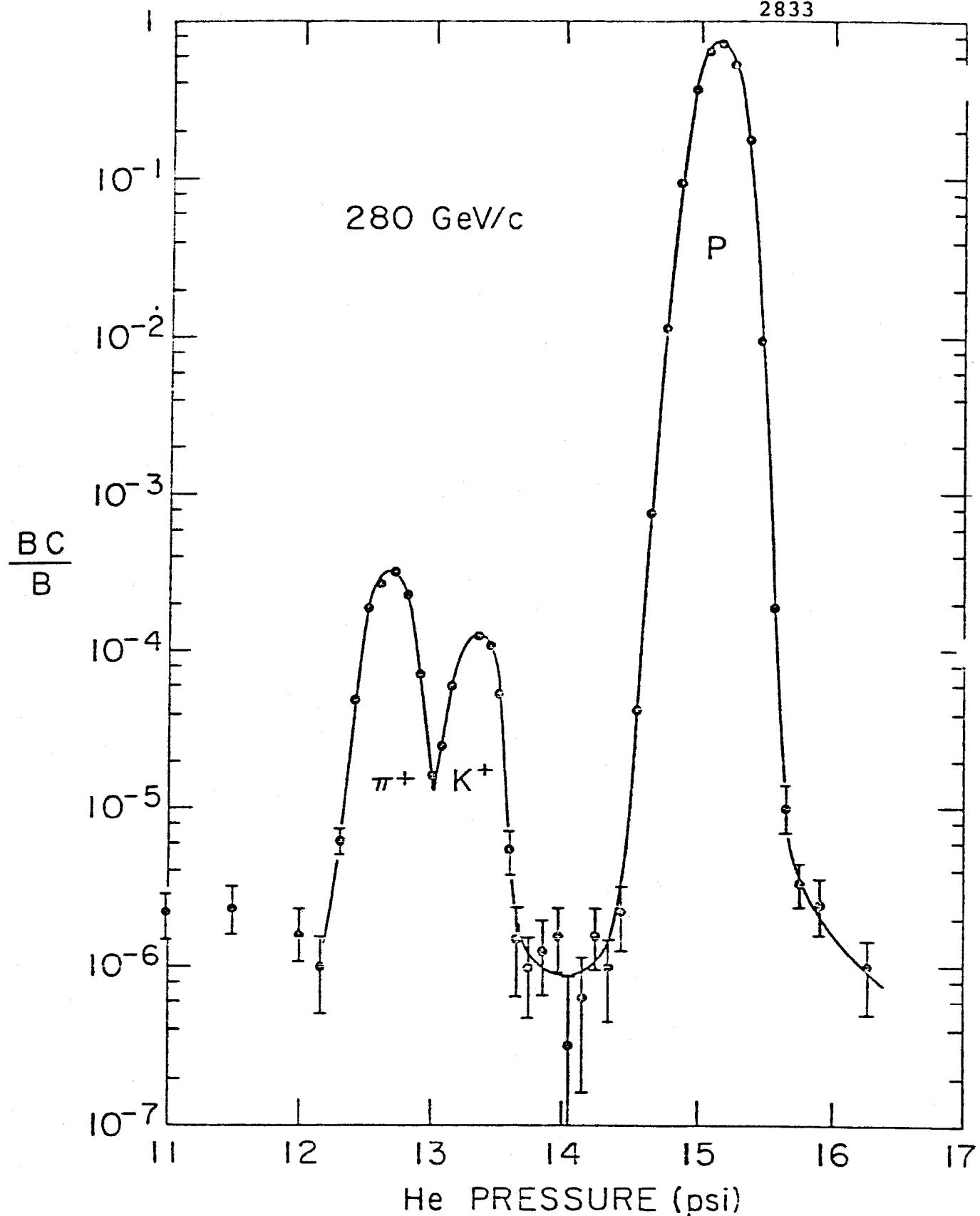












High Resolution Gas Differential Electron Counter

Chromatic Dispersion

$$r = f \tan \theta$$

$$\Delta r = f \frac{\Delta \theta}{\cos^2 \theta}$$

$$\cos \theta = \frac{1}{r} m$$

$$\sin \theta \Delta \theta = \frac{1}{r} \cdot \frac{\Delta m}{m^2} \approx \Delta m$$

$$\Delta E = \frac{\Delta m}{m}$$

$$\frac{d\theta}{\theta} = \tan \theta d\theta$$

$$\text{For } \Delta \lambda = 220 = 7.13 \times 10^{-5} \text{ nm, we assume } \Delta m = 0.0239 \times 10^{-5}$$

$$\text{assume } n \approx 1 + 3.5 \times 10^{-5}$$

Gratuitous effect

(beam under dispersion)

E_e	$\Delta \theta \text{ mrad}$		$\tan \theta \text{ or } \sin \theta \times 10^{-5}$	$(B_0 - B_K) \times 10^{-5}$	$\tan E_C \theta \times 10^{-5}$	
	MODEL I	MODEL II			$B_0 = 15.66 \text{ mT}$ MODEL I	$B_0 = 7.61 \text{ mT}$ MODEL II
20	0.19	0.28	0.29	0.21	-28.06	0.313
40	0.087	0.068	0.136	0.052	7.01	"
60	0.058	0.057	0.107	0.043	3.12	"
80	0.062	0.043	0.097	0.033	1.76	"
100	0.059	0.037	0.092	0.028	1.12	"
120	0.057	0.034	0.089	0.026	0.78	"
140	0.056	0.032	0.083	0.024	0.57	"
160	0.056	0.030	0.087	0.023	0.43	"
180	0.055	0.029	0.086	0.022	0.34	"
200	0.055	0.029	0.086	0.022	0.28	"
250	0.054	0.028	0.085	0.021	0.18	"
300	0.054	0.028	0.085	0.021	0.12	"
350	0.054	0.026	0.084	0.020	0.09	"
400	0.054	0.026	0.084	0.020	0.06	"
450	0.054	0.026	0.084	0.020	0.055	0.313
						0.152

Premises taken E to be 0.024 radians or $\sin \theta \approx 1$
for 450 keV/c $K's$, $1-m = 28.8 \times 10^{-5}$,

\therefore from chromatic dispersion

$$\sin \theta \Delta \theta = \frac{28.8 \times 10^{-5}}{3.5 \times 10^{-5}} \times 0.0239 \times 10^{-5} = 0.197$$

or a factor of 10 more.